

January 22, 2018

Mr. Michael David  
Tennessee Department of Environment and Conservation  
Division of Solid Waste Management  
Jackson Environmental Field Office  
1625 Hollywood Drive  
Jackson, Tennessee 38305

Dear Mr. David:

Subject: Water Use Survey Update  
Former Environmental Waste Solutions (EWS) Class II Landfill  
Camden, TN  
Permit Number IDL# 03-0212 (Terminated)  
CEC Project 171-873

Civil & Environmental Consultants, Inc. (CEC) has prepared this report documenting a Water Use Survey Update which was completed for the former EWS Landfill located in Camden, TN (site). The former EWS Camden Class II Landfill was registered with the Tennessee Division of Solid Waste Management (DSWM) with permit number IDL 03-0212. That permit was terminated in July 2017. Beginning in 2008, the site entered into the Groundwater Detection Monitoring Program, and groundwater samples were collected from site monitoring wells on a semi-annual basis. EWS entered the Assessment Monitoring Program as a result of chloride concentrations reported above the 250 mg/L EPA secondary drinking water standard at monitoring well MW-3 during the November 2015 semi-annual detection monitoring event. As a result, a Groundwater Quality Assessment Plan (GWQAP) was developed for EWS on March 14, 2016, which outlined additional groundwater quality assessment activities necessary to fulfill Assessment Monitoring Program requirements. Additional Assessment Monitoring Activities included a Water Use Survey, which was completed for the EWS Class II Landfill in accordance with the DSWM guidance document entitled "*Ground Water Monitoring Guidance for Solid Waste Landfill Units (April 2006)*". Before 2016, the most Recent Water Use Survey performed at the EWS Landfill was completed in October 2006, and was submitted to the DSWM in the December 2006 Hydrogeological Investigation Report for EWS. No new private or commercial sources were found beyond those identified in October 2006 in the 2016 Water Use Survey. The 2016 Water Use Survey was submitted to the DSWM on May 31, 2016, indicating no new private or commercial water sources were found beyond those identified in October 2006. Following the DSWM guidance document, a Water Use Survey Update shall be completed on an annual basis.

CEC has completed this annual Water Use Survey Update consisting of a review of the database listing of the registered water-well logs obtained from the Tennessee Department of Environment and Conservation-Division of Water Resources (DWR). On December 7, 2017, CEC obtained a current listing of the registered water well data from the DWR for the Camden (20-SE) quadrangle

(Table 1) for review. According to the DWR, the coordinates for drinking water sources within a one-mile radius of the site were located on the 4<sup>th</sup>, 5<sup>th</sup>, 7<sup>th</sup>, and 8<sup>th</sup> Ninths of the Camden quadrangle. After the list of registered well logs was received from the DWR, CEC constructed a one-mile radius map of the area surrounding the landfill site based on available well coordinates and addresses. Based on the site coordinates, none of the wells listed in the 7<sup>th</sup> and 8<sup>th</sup> Ninths of the Camden quadrangle were located within the one-mile search area. After reviewing the coordinates, five (5) wells located in the 4<sup>th</sup> and 5<sup>th</sup> Ninths of the Camden quadrangle were located within the one-mile search area based on the site coordinates. One (1) of the five (5) wells located within the one-mile search area was found by plotting coordinates and was also visibly identified in the field search of the area on December 12, 2017. The identified well location was observed at 1000 Eva Road, and is identified as “Resident 1” on the tables (Table 1 and Table 2) and figures (Figure 1 and Figure 2). Four (4) of the five (5) wells located within the one mile search area, found by plotting coordinates, had different corresponding addresses or street names that were located outside of the search area (Resident 3, Resident 4, Resident 5, and Resident 6). Based on the provided information, an additional three (3) wells were located outside of the one-mile radius search area (Resident 7, Resident 8, and Resident 9). Although these additional wells were outside of the one-mile radius search area, they were included in the attached tables (Table 1 and Table 2). One (1) additional well location was visually observed at 924 Eva Road but was not identified in the current listing of registered well data from the DWR (identified as “Resident 2” on Table 2 and Figures 1 and 2)..

The information provided on the database of registered water wells encompassing the area was very limited and many of the site addresses and coordinates were not accurate or complete. Therefore, it was difficult to correlate the registered wells and potential wells visually observed in the field effort. In order to more accurately assess additional wells in the area, CEC conducted a visual (drive-by) search of properties located within the specified search radius on December 12, 2017 in conjunction with the previously scheduled 3<sup>rd</sup> Quarter 2017 Groundwater Assessment Monitoring Event. The visual search was conducted by driving slowly within the given area in search of visible small spring houses, and recording the site addresses, if observed. During the visual search, two small structures resembling well pump houses were observed at the following addresses:

- Resident 1: 1000 Eva Road - A structure at this location was identified during the December 12, 2017 drive-by search of the one-mile radius area. This location had been identified as a suspected private well location according to the 2016 Water Use Survey but was not visually located during the previous 2016 Water Use Survey. The identified structure at this location appeared to be of older construction and does not look to be in use. A photograph of this structure is located in the attached photographic log.
- Resident 2: 924 Eva Road - A small structure at this location was identified during the December 12, 2017 drive-by search of the one-mile radius area. The structure at this location was not identified as a suspected private well location according to the 2016 Water Use Survey and was not visually located during the previous 2016 Water Use Survey. The year of construction and the current use of the small structure identified at

this location could not be determined based on visual observations. A photograph of this structure is located in the attached photographic log.

Resident 1 and Resident 2 are situated approximately 2,500 feet to the Northeast of the former EWS Landfill. According to the recent groundwater reports, the groundwater at the landfill appears to generally flow in a southern direction towards Charlie Creek and Cane Creek. No other additional wells were observed at any of the other listed locations within the one-mile radius search, and no other additional wells or springs were observed during the drive-by search.

After reviewing the registered well data from the DWR and conducting the visible (drive-by) search, CEC examined the Real Estate Assessment Data from the State of Tennessee Comptroller of the Treasury website to gather information concerning the two locations identified during the search. According to the Real Estate Assessment Data, the property location at 1000 Eva Road currently has “public” water utilities available. The Real Estate Assessment Data indicated that the property location at 924 Eva Road currently has “private” water utilities available. However, the owner address indicated on the Real Estate Assessment Data is listed as “924 E. Lake St.” Upon further examination, East Lake Street becomes Eva Road at or near this location. Therefore, the addresses “924 Eva Road” and “924 E. Lake St.” are likely associated with the same location. The Real Estate Assessment Data for the properties described above are included in the attachments to this letter.

CEC also contacted the City of Camden Water Department (local water department) for information concerning the account status of addresses that were identified within or near the one-mile radius search area. The local water board confirmed that many of the listed addresses were connected to the public water supply by reviewing the account statuses as active or inactive. The 1000 Eva Road address that was identified within the one-mile radius search area (Resident 1) currently has an active account status with the local water department. The “924 Eva Road” address that was identified within the one-mile radius did not have an account with the local water department; however, the local water department confirmed that the “924 E. Lake St.” did have an existing active water supply account. The City of Camden Water Department response to the account statuses of the identified wells is included as an attachment to this letter.

In conclusion, 1000 Eva Road and 924 Eva Road were the only two locations that have been identified within a one-mile radius of the former EWS Class II Landfill. These two locations are situated upgradient of the groundwater flow direction of the former landfill and have access to the local public water supply for personal use.

A list of registered wells provided by the DWR is included in Table 1 (Camden quad). A summary of suspected private wells located within a one-mile radius of the EWS Landfill, including the public water supply account status, is located in Table 2. A topographic map including well locations in relation to the one-mile radius is included in Figure 1. An aerial map including well locations in relation to the one-mile radius is included in Figure 2. Photographs of the wells located within the one-mile radius (Resident 1 and Resident 2) are included in the attached Photographic Log.

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If you have any questions, please feel free to contact me at (615) 333-7797.

Sincerely,

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.



Philip Campbell  
Assistant Project Manager



Kevin Wolfe  
Vice-President

Attachments: Table 1 - Current Listing of Registered Well Data - Camden Quad (20SE, 4<sup>th</sup>, 5<sup>th</sup>,  
7<sup>th</sup>, & 8<sup>th</sup> Ninths)  
Table 2 - Summary of wells located within a one-mile radius  
Figure 1 - Topographic Map with Private Well Locations  
Figure 2 - Aerial Map  
TN Real Estate Assessment Data - 1000 Eva Road & 924 Eva Road  
City of Camden Water Department Account Status Responses  
Photographic Log

cc: Craig Almanza - TDEC

**Table 1**  
**Former EWS Class II Landfill-Camden, TN**  
**Current Listing of Registered Well Data-Camden Quad (4th,5th,7th, and 8th ninths)**  
**December 2017**  
**CEC # 171-873**

Ninth	Well #	Owner Name	Completion	Depth	Yield gpm	Casing Ft	Finish	Quality	Latitude	Longitude	Accuracy	Lic#	County	Driller Tag	Address	Inspection	WBZ	Static Lvl	Casing Type	Finish From	Finish To	Inspect Tag	Use	Form Log	
4	00500008	WARRICK J	10/7/1963	75	12	75		Unknown	360438	880530	S	10	BENTON				75	50	Steel				Residential	No	
4	00500161	MELTON L	6/21/1965	36		36			360830	880526	S	269	BENTON				20	20					Residential	No	
4	00500440	LEWIS R	8/8/1968	120	15	120		Unknown	360409	880721	S	35	BENTON				90	90	Plastic				Residential	No	
4	00500482	HEDGE J	10/12/1968	60	15	60		Unknown	360230	880708	S	35	BENTON				40	40	Plastic				Residential	No	
4	00500494	ROBINSON R	10/24/1968	60	7	55		Good	360240	880719	S	63	BENTON				40		Plastic				Residential	No	
4	00500523	MARKHAM J	10/14/1969	70	12	60			360238	880715	S	63	BENTON				45		Plastic	2/29/1900	70		Residential	No	
4	00500592	THOMPSON A	8/29/1969	20	4	21			360202	880729	S	269	BENTON				10	10					Residential	No	
4	00500619	RIALS M	5/21/1970	60	6	55		Good	360238	880710	S	63	BENTON				40		Plastic	2/24/1900	60		Residential	No	
4	00501218	HARGROVE G.	4/8/1975	30	5	30		Good	360242	880641	S	269	BENTON				15						Residential	No	
4	00501331	WALKER, RAY	8/8/1977	65	8	65		Good				269	BENTON					50					Residential	No	
4	00501561	ELMORE T.F.	7/7/1980	23	4	23		Good	360315	880708	S	269	BENTON					10					Residential	No	
4	00501661	HUGHES ARCHIE	3/26/1982	109	8	109		Good	360417	880608	S	269	BENTON					92					Residential	No	
4	00501749	KELLEY, ROBERT	5/16/1984	45	4	45	Open Hole	Good	360230	880500		269	BENTON		LITTLE JIM RD			15		2/14/1900	45		Residential	No	
4	00501832	LOWRY, BENNY	8/22/1985	54	10	54	Open Hole	Good	360230	880500		269	BENTON		OLD 69			25		2/23/1900	54		Residential	No	
4	00501849	HARRIS, BILLY	5/23/1985	56	5	56	Open Hole	Good	360230	880500		269	BENTON		LITTLE JIM DRIV			20		2/25/1900	56		Residential	No	
4	00501948	FLOYD, TIM	10/15/1987	56	10	56		Good	360230	880500		269	BENTON		641			32					Residential	No	
4	20054189	BAKER, MELISA	7/30/2005	70	5	70	Screen	Clear				35	BENTON	D0071709	NEXT 317 CARMEL HIGES			50		4/9/1900	10		Residential	Yes	
4	20112405	COOLEY, JIMMY	11/29/2011	63	8	63	Slotted	Clear				843	BENTON	D0093998	284 NATCHEZ TRACE ROAD		40	40	Concrete				Residential	Yes	
4	91004047	ALGOOD, TONY	11/7/1991	70	10	70		Good				269	BENTON		SPRING DRIVE			40					Residential	No	
4	95005390	COLEMAN, KEVIN	11/13/1995	45	10	45		Good	360446	880527	F	269	BENTON	D0017379	LITTLE JIM DR	35116		18		2/14/1900	45	016052	Residential	No	
5	00500141	KENNON J	7/20/1965	70		70			360413	880308	S	269	BENTON					50	50				Residential	No	
5	00500143	HORN E	7/19/1965	61		61			360328	880344	S	269	BENTON					45	45				Residential	No	
5	00500144	ASHLEY M	7/19/1965	61		61			360325	880446	S	269	BENTON					45	45				Residential	No	
5	00501773	TANGLEWOOD ASSO. INC	7/31/1984	87	5	87	Open Hole	Good	360230	880730		269	BENTON		WALTERS			50		3/27/1900	87		Residential	No	
5	00501785	HICKS, ALICE	7/12/1984	84	10	84	Open Hole	Good	360230	880230		269	BENTON		PEA RIDGE			55		3/24/1900	84		Residential	No	
5	00501880	FOX, JAMES	3/28/1986	195	20	193	Open Hole	Good	360230	880230		10	BENTON		EAST HILLS		190			7/11/1900	195		Residential	No	
5	00501900	SURDI, HUGO	12/17/1986	44	10	44		Good	360230	880230		269	BENTON		CHALK HILL CHUR			25					Residential	No	
5	00501916	FHA	5/28/1987	91	4	91		Good	360230	880230		269	BENTON		WALTERS			50					Residential	No	
5	00501952	COLE, JIM	7/17/1987	140	20	124	Slotted	Good	360230	880230		10	BENTON		HUBBS		125			4/29/1900	140		Residential	No	
5	00501962	BELL, EDWARD	3/14/1988	42	10	42		Good	360230	880230		269	BENTON		EVA			15					Residential	No	
5	00502017	MELTON, JOSEPH	11/30/1988	80	20	80		Good	360230	880230		269	BENTON		FLATWOODS			56					Residential	No	
5	00502047	HAMPTON, HENRY	9/27/1989	56	5	56		Good	360230	880230		269	BENTON		LITTLE JIM DRIV			25					Residential	No	
5	20053634	WILSON, ROY	9/22/2005	102	15	102	Slotted	Clear				843	BENTON	D0072743	550 SALES LANDING RD		40	40	Concrete				Residential	Yes	
5	20053635	DUNLAP, PHILLIP	9/21/2005	75	8	75	Slotted	Clear	360502	880342	F	843	BENTON	D0072744	800 BEAVER DAM RD	38616		40	40	Concrete			046046	Residential	Yes
5	20062261	WARD, TONY	6/6/2006	70	15	70	Slotted	Clear				843	BENTON	D0077804	1480 SALES LANDING RD			35	35	Concrete				Residential	Yes
5	20121336	ZAHIR, KIM	5/4/2012	147	50	146	Open Hole	Clear				737	BENTON	D0095420	445 ARNOLD DR		147	60	Galvanized	5/25/1900	147		Residential	Yes	
5	20122126	STEWART, RODER	9/30/2012	78	10	78	Slotted	Clear				843	BENTON	D0094019	887 SALES LANDING RD		50	50	Plastic	2/19/1900	78		Residential	Yes	
5	90000004	KIMBEL, LEONARD	10/6/1989	115	10	115	Screen					35	BENTON		EVA RD				Steel	4/9/1900	115		Residential	No	
5	90000007	MCGOWAN, OPEL	8/2/1989	60	7	60	Screen					35	BENTON		SALES LANDING R				Plastic	2/19/1900	60		Residential	No	
5	90002948	CURTIS, KENT	8/20/1990	75	5	75		Good				269	BENTON		LITTLE JIM DR			50					Residential	No	
5	92000711	TEMPLER, WAYNE	7/25/1991	135		125	Screen					35	BENTON		EVA RD				Plastic	5/4/1900	135		Residential	No	
5	92000735	GUINN, JANETTE	8/10/1990	100	10	80	Screen					35	BENTON		CHALK HILL				Plastic	3/20/1900	100		Residential	No	
5	93003553	HUMPHREY, ROBERT	7/21/1993	400	20	400	Screen					35	BENTON		BIRD SONG RD				Plastic	12/25/1900	400		Residential	No	
5	97000490	CITY OF BIG SANDY	7/17/1996	160	50	40	Slotted		361408	880448		597	BENTON	D0019907	MUD CREEK		60	30	Steel	2/9/1900	160		Municipal	No	
5	97001542	MOSS, BARRY	4/16/1997	87	10	87		Good				269	BENTON	D0021963	KENNON			75					Residential	No	
7	00500444	CONLEY M	7/17/1968	37	4	38		Good	360221	880616	S	269	BENTON				29	29					Residential	No	
7	00500448	FLOWERS W	7/12/1968	43	2	44		Good	360052	880614	S	269	BENTON				22	22					Residential	No	
7	00500484	FUN W	12/20/1968	85	12	85		Good	360216	880658	S	26	BENTON				50	45	Steel	3/15/1900	85		Residential	No	
7	00500485	SPNON B	12/26/1968	85	10	85		Good	360216	880658	S	67	BENTON				60	40	Steel	2/19/1900	70		Residential	No	
7	00500493	JONES E	10/18/1968	76	12	76		Good	360145	880717	S	63	BENTON				50		Plastic	3/6/1900	76		Residential	No	
7	00500644	KEE B	4/6/1970	54	8	55			360105	880719	S	269	BENTON				35	35					Residential	No	
7	00501197	KING W.L.	6/25/1975	95	15	95		Good	360044	880507	S	214	BENTON				81						Residential	No	
7	00501217	JORDAN A.	4/9/1975	62	10	62		Good	360200	890643	S	269	BENTON				35						Residential	No	
7	00501341	HUNT, CHARLES	9/20/1977	55	4	55		Good				169	BENTON					30					Residential	No	
7	00501355	SMOTHERS, VIRGIL	9/15/1977	38	4	38		Good				169	BENTON					25					Residential	No	
7	00501543	JOHNSON R.	3/14/1980	62	5	62		Good	360021	880651	S	269	BENTON					42					Residential	No	
7	00501554	HIGDON V.	5/15/1980	44	6	44		Good	360136	880730	S	269	BENTON					24					Residential	No	
7	00501648	FLOYD D.	11/23/1981	41	4	41		Good	360611	880553	S	269	BENTON					21					Residential	No	
7	00501729	WELLS, J. W.	11/8/1983	39	8	39	Open Hole	Good	360000	880500		269	BENTON		OFF HWY 70			15		2/8/1900	39		Residential	No	
7	00501735	TOWNSEND, LEON	10/31/1983	44	4	44	Open Hole	Good	360000	880500		269	BENTON		SEE COMMENTS			25		2/13/1900	44		Residential	No	
7	00501737	MOORE, RALEY	8/29/1983	39	5	39	Open Hole	Good	360000	880500		269	BENTON		OLD 69			15		2/8/1900	39		Residential	No	
7	00501745	GOODRUM, LILLIE	3/13/1984	130	8	130	Slotted	Good	360000	880500		35	BENTON		NATCHEZ TRACE		55	100	Plastic	5/9/1900	130		Residential	No	
7	00501746	HARWELL, JOHN	5/4/1984	54		44	Slotted		360107	880655	S	35	BENTON		AIRPORT RD	31306			Plastic	2/13/1900	54		Residential	No	

**Table 1**  
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**Current Listing of Registered Well Data-Camden Quad (4th,5th,7th, and 8th ninths)**  
**December 2017**  
**CEC # 171-873**

Ninth	Well #	Owner Name	Completion	Depth	Yield gpm	Casing Ft	Finish	Quality	Latitude	Longitude	Accuracy	Lic#	County	Driller Tag	Address	Inspection	WBZ	Static Lvl	Casing Type	Finish From	Finish To	Inspect Tag	Use	Form Log
7	00501763	MEDLIN, RAYMOND	6/19/1984	70	8	60	Slotted	Good	360030	880756	S	35	BENTON		AIRPORT ROAD	31306			Plastic	2/29/1900	70		Residential	No
7	00501794	JORDAN, JERRY	9/18/1984	50	6	50	Slotted	Good	360000	880500		269	BENTON		OLD 69 & NEW BY			28		2/19/1900	50		Residential	No
7	00501838	MCGRADY, BOB	7/29/1985	63	8	63	Open Hole	Good	360000	880500		269	BENTON		SPRING DRIVE			30		3/3/1900	63		Residential	No
7	00501871	SMITH, TONY	5/19/1986	63	15	63	Open Hole	Good	360000	880500		269	BENTON		WEBB			44		3/3/1900	63		Residential	No
7	00501882	S&W PALLET MILL	5/22/1986	90	1	80	Slotted	Fair	360000	880500		35	BENTON		NATCHEZ TRACE				Plastic	3/20/1900	90		Industrial	No
7	00501930	JORDAN, JERRY	8/11/1987	39	8	39		Good	360000	880500		269	BENTON		CAMDEN BYPASS			10					Residential	No
7	00502043	JORDAN, RICKY	7/19/1989	33	5	33		Good	360000	880500		269	BENTON		PRAIRIE BR			15					Residential	No
7	00502045	ALLEN, BILLY	10/2/1989	70	10	70		Good	360000	880500		269	BENTON		HWY 70 BYPASS			32					Residential	No
7	00502049	PRICHARD, MACK	8/4/1989	70	15	70		Good	360000	880500		269	BENTON		641			30					Residential	No
7	00509001	ROY COLLOMP						Bad	350252	880701	S	269	BENTON										Commercial	No
7	00509015	EARL LYNCH		43				Good	360004	880612	S	740	BENTON					14						No
7	20003222	ALGOOD, TONY	6/12/2000	81	10	81	Slotted	Clear				269	BENTON	D0048378	SPRING CREEK DR		81	54	Concrete				Residential	Yes
7	20022963	TOWNSEND, JASON	8/2/2002	53	8	53	Slotted	Clear	360000	880500		269	BENTON	D0057476	EASTVIEW RD 725		22	22	Concrete				Residential	Yes
7	20051592	RODGERS, STANLEY	5/12/2005	60	6	60	Slotted	Clear				269	BENTON	D0069120	MUSTANG ALLEY		30	30	Concrete				Residential	Yes
7	20064379	ALGOOD, MARK	10/17/2006	95	15	95	Slotted	Clear				843	BENTON	D0077837	750 SPRING DR.		80	80	Concrete				Residential	Yes
7	20080731	UNIMIN SAND CO/UNIMIN C	2/15/2008	260								35	BENTON	BA806	1700 SAND MILL RD			100						No
7	20111749	CRAFTON, PAUL	9/8/2011	63	15	63	Slotted	Clear				843	BENTON	D0093987	2810 AIRPORT ROAD		34	34	Concrete				Residential	Yes
7	20140897	SULLIVAN, LARRY	5/5/2014	128	5	128	Screen	Clear				973	BENTON	D0101888	65 COLE RD		20	20		4/27/1900	128		Residential	Yes
7	20142041	DOUGLASS, CHARLIE	10/14/2014	46	8	46	Slotted	Clear				843	BENTON	D0098558	1535 BIRDSONG RD		25	25	Concrete				Residential	Yes
7	90002946	FREELAND, WILL	8/15/1990	68	15	68		Good				269	BENTON		OFF OLD 69			50					Residential	No
7	91001949	BEASLEY, JEFF	3/27/1991	59	20	59		Good				269	BENTON		OFF 641			35					Residential	No
7	91001951	B.A.S.E. C.O.R.E.	4/2/1991	70	10	70		Good				269	BENTON		641			30					Residential	No
7	91001996	MEMPHIS STONE & GRAV	4/30/1991	165	20	165						35	BENTON		CAMDEN OLD 70				Steel	5/19/1900	165		Commercial	No
7	91002032	BRADFORD, CLAUDIA	7/27/1990	80	12	80	Screen					35	BENTON		MCDavid				Plastic	3/10/1900	80		Residential	No
7	91002980	KEE, BILL	5/17/1991	34	8	34		Good	360000	880500		269	BENTON		AIRPORT(790)			10					Residential	No
7	92000704	PERRY, DEBORAH A	10/3/1991	125		115	Screen					35	BENTON		BIRDSONG				Plastic	4/24/1900	125		Residential	No
7	92002514	HARRIS, MAC	5/18/1992	42	6	10	Slotted	Good				269	BENTON		BIRDSONG CUT OF			22		1/10/1900	42		Residential	No
7	93000086	SUMMERS, BILL	11/30/1992	71	10	71		Good				269	BENTON		SUMMER			40					Residential	No
7	93001432	GOODMAN, SAM	9/28/1992	120	12	100	Screen					35	BENTON		641 SOUTH				Plastic	4/9/1900	120		Residential	No
7	93003500	MCDANIEL, WILLIAM M	6/5/1990				Screen					35	BENTON		ROUTE 1 CAMDEN				Plastic		120		Residential	No
7	94002940	FARMER, JOHNNY	8/3/1994	82	20	82		Good				269	HENRY	D0002374	COUNTRY JUNCTIO	34646		30		1/1/1900	82	012609	Residential	No
7	98001806	EARHART, TODD	2/18/1998	97	15	97	Screen					35	BENTON	D0029187			60	60	Plastic		97		Residential	No
7	99001516	HOLLINSWORTH, JASON	4/18/1999	35	5	35		Good				269	BENTON	D0035916	DAVIS KEE			20		2/4/1900	35		Residential	No
8	00501205	FREEMAN E.	6/12/1975	41	3	41		Good	360042	880432	S	214	BENTON				20						Residential	No
8	00501351	CHANDLERS, DANNY	9/20/1977	50	6	50		Good				169	BENTON					30					Residential	No
8	00501352	JACKSON, ERNEST	9/20/1977	53	5	53		Good				169	BENTON					40					Residential	No
8	00501373	GRIGGS, GARY	5/19/1978	67	12	67		Good	360000	880230		269	BENTON		330 ASHBY RD			50					Residential	No
8	00501581	SLAFRIN W	8/29/1980	33	5	33		Good	360035	880415	S	269	BENTON					18					Residential	No
8	00501801	KING, J W	9/13/1983	80	20	42	Open Hole	Good	360000	880500		10	BENTON		BIRDSONG		55			2/11/1900	80		Residential	No
8	00501877	MEDLIN, LENARD	4/18/1986	74	10	74	Open Hole	Good	360142	880243	F	269	BENTON		BIVENS RD	31678		49		3/14/1900	74		Residential	No
8	00501985	BRANCH, LYDIA	5/19/1988	74	10	74	Screen	Good	360000	880230		269	BENTON		BIRDSONG			50	Plastic	2/23/1900	74		Residential	No
8	20002450	GIBSON, LINN	5/6/2000	90	10	90	Screen	Clear				269	BENTON	D0043684	OLD HWY 70		90	66	Plastic	3/20/1900	90		Residential	Yes
8	20010729	DOUGLAS, EALTON	1/25/2001	131	15	49	Open Hole	Clear				35	BENTON	D0046623	50 COLEMAN RD		79	43	Steel	2/18/1900	131		Residential	Yes
8	20054118	BRANCH, DAVID	11/12/2005	90	15	90	Slotted	Clear				843	BENTON	D0072767	1550 CYPRESS BIVINS CK RD		65	65	Concrete				Residential	Yes
8	20081088	BROWN, TERRENCE	3/20/2008	126	20	125	Open Hole	Clear				737	BENTON	D0085009	BIVENS RD		125		Galvanized	5/4/1900	126		Residential	Yes
8	20091434	THOMPSON, BILLY	5/29/2009	95	10	95	Slotted	Clear	360133	880254		756	BENTON	D0089649	864 STONES ROAD		80	35	Plastic	3/14/1900	94		Residential	Yes
8	20092139	FRENCH, RICHARD	9/18/2009	80	10	80	Slotted	Clear				843	BENTON	D0090632	605 HERRINGTON DRIVE		50	50	Concrete				Residential	Yes
8	20122578	LAUX, ROBERT	41223	80	5	3/20/1900	Slotted	Clear				843	BENTON	D0098528	1475 BIVENS CYPRESS CK RD		65	50	Concrete				Residential	Yes
8	20130142	WAGNER, DENIS	41248	72	15	3/12/1900	Slotted	Clear				756	BENTON	D0091779	361 STONES RD		70		Plastic	3/7/1900	72		Residential	Yes
8	92000708	WESTON, DENNIS	33256	72	20	3/5/1900	Screen		360000	880230		35	BENTON		1910 OLD HWY 70				Plastic	3/5/1900	72		Residential	No
8	92001903	ANDERSON, GROVER	33732	215	25	5/22/1900		Good				10	BENTON		BUTTREY		202			5/22/1900	215		Residential	No
8	95005391	WAGNER, JIM	35019	70	10	3/10/1900		Good	360132	880253	F	269	BENTON	D0017380	STONES	35116		40		3/10/1900	70	016051	Residential	No
8	96000147	TINNEL, HENRY	35049	52	5	2/21/1900		Good	360115	880318	F	269	BENTON	D0017388	STONES	35116		20		2/21/1900	52	016050	Residential	No
8	96003767	BARNETT, BARRY	35288	210	10	7/28/1900	Slotted					597	BENTON	D0019861	STRAWBERRY GABL		110	110	Plastic	7/8/1900	210		Residential	No
8	98004859	BRANCH, LYDIA	36090	79	4	3/19/1900						269	BENTON	D0035887	BIVINS			38		1/0/1900	79		Residential	No
8	99001515	BARKER, ROBERT	36268	95	10	4/4/1900		Good				269	BENTON	D0035915	HERRINGTON			35		4/4/1900	95		Residential	No
8	99002588	WAGNER, JIM	36306	42	10	2/11/1900		Good				269	BENTON	D0040477	STONES			22		2/11/1900	42		Residential	No

\*Column Heading descriptions attached.

TENNESSEE DEPARTMENT ON ENVIRONMENT AND CONSERVATION  
 RECORDS OF WATER WELLS IN SELECTED AREAS OF TENNESSEE  
 EXPLANATION OF COLUMN HEADINGS

<u>CODE</u>	<u>EXPLANATION</u>
QUAD/NTH	Quadrangle/Ninth: Quadrangle indicates the 7.5 minute U.S.G.S. topographic map number (i.e., 305) followed by the quadrant (NE,NW,SE,SW). Ninth represents the smaller 2.5 minute section of the map in which the well is located. This system divides the map into (9) sections numbered from left to right, top to bottom, similar to the numbers (1-9) on a telephone key pad.
COUNTY	County in which the well is located.
WELL NUM	Well Number: Office identification number assigned to each well report by the Division of Water Supply.
REG NUM	Registration Number: White registration tag number attached to each well by the driller.
OWNER'S NAME	Name of person or organization for whom the well was drilled.
LOCATION ROAD	Name of street or road from which to access well. (Blank if unknown)
COMP DATE	Completion Date: Month, day and year the well was completed.
INSP DATE	Inspection Date: Month, day and year the well was inspected by the Division of Water Supply. (Blank if not inspected)
TOT DEPTH	Total Depth: Total depth of the well in feet.
AQ DEPTH	Aquifer Depth: Depth, in feet, below land surface to the top of the shallowest aquifer or water-bearing zone tapped in well.
TOT YIELD	Total Yield: Total yield of the well in gallons per minute (gpm). Yields less than one-half gpm are reported as zero.
STAT LEVEL	Static Water Level: Depth, in feet, from the land surface to the level of the water standing in a non-pumping well.
CSE DEPTH	Casing Depth: Depth, in feet, from the land surface to the bottom of the water-tight casing installed in the well.
CSE TYPE	Casing Type: PLAST = plastic, STEEL = black or galvanized; OTHER = other material such as concrete, fiberglass, tile, etc..
WELL FINISH	Well Finish: Construction of the well at the interval supplying water to the well. OPEN = open or uncased borehole, SLOT = slotted or perforated pipe, SCREEN = manufactured screening device designed to filter out sediment and maintain the borehole wall; while allowing ground water to enter the well through small openings.
INTERVAL	Open Interval: The depth, in feet, below land surface where the open hole, screen/perforated pipe interval begins and ends.
WAT QUAL	Water Quality: A description of the apparent water quality of the water from the well at the completion of construction.
INSP NUM	Inspection Number: Orange inspection tag number attached to the well by the state inspector.
LATITUDE	Latitude: Latitude of the well reported in degrees, minutes, and seconds.
LONGITUDE	Longitude: Longitude of the well reported in degrees, minutes, and seconds.
A/C	Accuracy Code: Accuracy of latitude and longitude. S = nearest second, F = nearest 15 seconds, T = nearest 30 seconds.
LOG	Formation Log: Refers to the availability of a geologic formation log. Y = yes; N = No.
DRILLER	Driller: The license number of the driller who supervised construction of the well. Names provided upon request.
USE	Well Use: The primary purpose for which the well was constructed.

**Table 2**  
**Former EWS Class II Landfill**  
**Summary of wells located within a one-mile radius**  
**December 2017**  
**CEC # 171-873**

<b>Resident Number <sup>1</sup></b>	<b>Potential Owner at Installation <sup>2</sup></b>	<b>Suspected Address</b>	<b>Within one-mile radius*</b>	<b>In Database</b>	<b>Listed in 2017</b>	<b>Found in Field Search</b>	<b>Public Water Supply <sup>3</sup></b>	<b>Potential Use When Installed</b>
Resident 1	Ashley M	1000 Eva Road	Yes	Yes	Yes	Yes	Active	Residential
Resident 2	Unknown	924 Eva Road, (aka 924 E Lake St)**	Yes	No	No	Yes	Active	Residential
Resident 2	Robert Kelley	Little Jim Road	Yes	Yes	Yes	No	No Record	Residential
Resident 3	Benny Lowry	Old Highway 69	Yes	Yes	Yes	No	No Record	Residential
Resident 4	Billy Harris	Little Jim Drive	Yes	Yes	Yes	No	No Record	Residential
Resident 5	Tim Floyd	Hwy. 641	Yes	Yes	Yes	No	No Record	Residential
Resident 6	Jimmy Cooley	284 Natchez Trace Road	No	Yes	Yes	No	Non-Active	Residential
Resident 7	E Horn	1985 Eva Road (by coordinates)	No	Yes	Yes	No	Active	Residential
Resident 8	Danny Chandlers	173 Washington Avenue	No	Yes	Yes	No	Active	Residential
Resident 9	Wayne Templer	Eva Road	No	Yes	Yes	No	No Record	Residential

Notes:

<sup>1</sup> Resident Numbers correspond to Figures 1 and Figure 2.

<sup>2</sup> Potential owner at installation was based on corresponding address or owner information provided on registered wells.

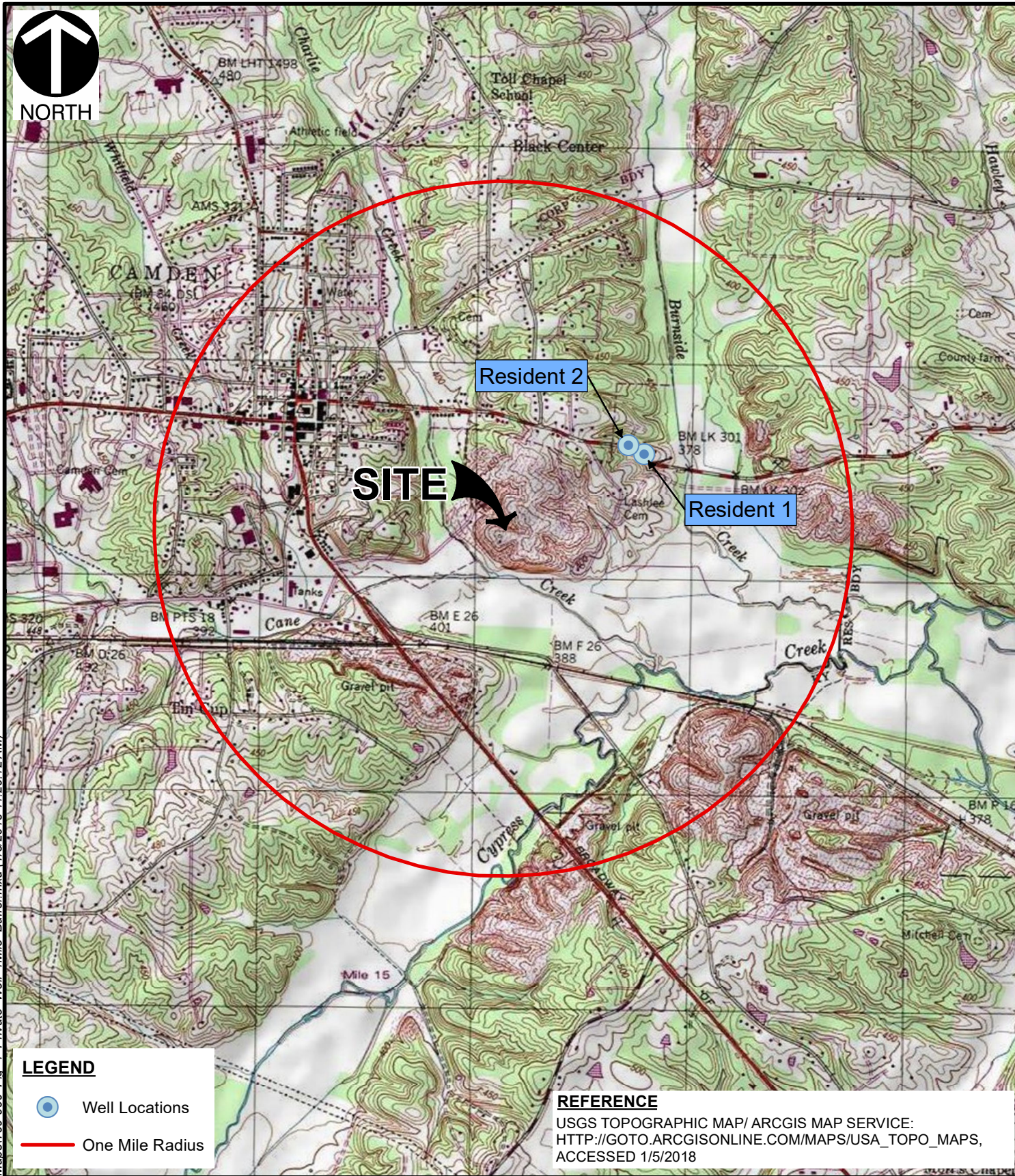
<sup>3</sup> Account status for addresses according to the City of Camden Water Department.

\*Within one-mile radius according to the latitude and longitude coordinates on the listing of registered wells.

\*\* Addresses are associated with the same location. 924 E Lake Street has an active public water supply account.

No Record - Address or name was not listed on the City of Camden-Water Accounts.





**SITE**

Resident 2

Resident 1

**LEGEND**

- Well Locations
- One Mile Radius

**REFERENCE**

USGS TOPOGRAPHIC MAP/ ARCGIS MAP SERVICE:  
[HTTP://GOTO.ARCGISONLINE.COM/MAPS/USA\\_TOPO\\_MAPS](http://goto.arcgisonline.com/maps/usa_topo_maps),  
ACCESSED 1/5/2018



**Civil & Environmental Consultants, Inc.**

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[www.cecinc.com](http://www.cecinc.com)

FORMER EWS CLASS II LANDFILL  
PRIVATE WELL SURVEY WITH ONE MILE RADIUS  
CAMDEN, BENTON COUNTY, TN  
DECEMBER 2017

TOPOGRAPHIC MAP  
PRIVATE WELL MAP





DRAWN BY:	CDH	CHECKED BY:	PJC	APPROVED BY:	PJC <small>* Hand signature on file</small>	FIGURE NO:	<b>1</b>
DATE:	1/5/2018	SCALE:	1" = 2,000'	PROJECT NO:	171-873		

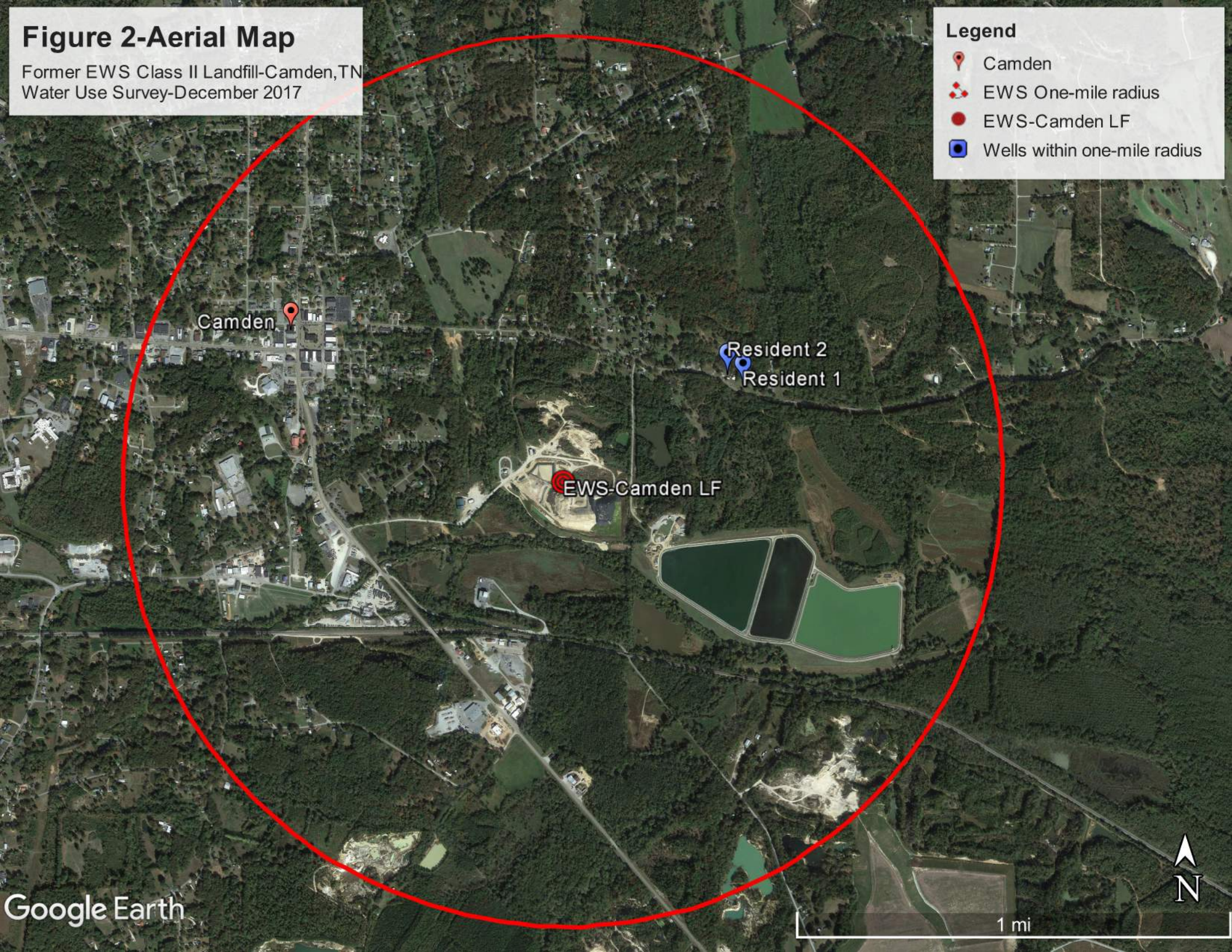
ISVR-NASHI.P:\2017\160-960-GIS\Maps\160-960 Fig. 1 Private Well 1Mile Buffer.mxd (1/5/2018 11:29:12 AM)

# Figure 2-Aerial Map

Former EWS Class II Landfill-Camden, TN  
Water Use Survey-December 2017

**Legend**

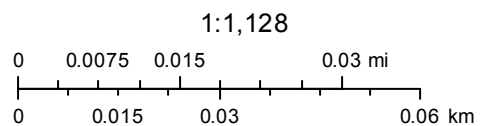
-  Camden
-  EWS One-mile radius
-  EWS-Camden LF
-  Wells within one-mile radius



Benton County - Parcel: 079 047.01



Date: January 3, 2018  
County: Benton  
Owner: ROBINSON WILLIAM E ETUX DOTTIE S  
Address: EVA RD 924  
Parcel Number: 079 047.01  
Deeded Acreage: 0  
Calculated Acreage: 1.3  
Date of Imagery: 2012



TN Comptroller - OLG  
TDOT  
State of Tennessee, Comptroller of the Treasury, Office of Local Government (OLG)  
Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

The property lines are compiled from information maintained by your local county Assessor's office but are not conclusive evidence of property ownership in any court of law.

State of Tennessee  Comptroller of the Treasury  
**Real Estate Assessment Data**

Home About New Search Return to List

County Number: 003

County Name: BENTON

Tax Year: 2018

**Property Owner and Mailing Address**

Jan 1 Owner:  
 DURDIN RICHARD F ETUX WINNIE MAE  
 1000 EVA RD  
 CAMDEN, TN 38320

**Property Location**

Address: EVA RD 1000

Map: 079 Grp: Ctrl Map: 079 Parcel: 047.02 Pl: S/I: 000

**Value Information**

Reappraisal Year: 2015

Land Mkt Value: \$13,500

Improvement Value: \$68,600

Total Market Appraisal: \$82,100

Assessment %: 25

Assessment: \$20,525

**General Information**

Class:	00 - RESIDENTIAL		
City #:	000	City:	
SSD1:	000	SSD2:	000
District:	05	Mkt Area:	A50
# Bldgs:	1	# Mobile Homes:	0
Utilities - Water / Sewer:	03 - PUBLIC / INDIVIDUAL	Utilities - Electricity:	01 - PUBLIC
Utilities - Gas / Gas Type:	00 - NONE	Zoning:	

**Subdivision Data**

Subdivision:

Plat Bk: Plat Pg: Block: Lot:

**Additional Description****Building Information**

Building # 1

Improvement Type:	01 - SINGLE FAMILY	Stories:	1
Living/Business Sq. Ft.:	1,232		
Foundation:	02 - CONTINUOUS FOOTING	Floor System:	04 - WOOD W/ SUB FLOOR
Exterior Wall:	11 - COMMON BRICK	Structural Frame:	00 - NONE
Roof Framing:	02 - GABLE/HIP	Roof Cover/Deck:	03 - COMPOSITION SHINGLE
Cabinet/Millwork:	03 - AVERAGE	Floor Finish:	11 - CARPET COMBINATION
Interior Finish:	10 - PANEL-PLAST-DRYWALL	Paint/Decor:	03 - AVERAGE
Heat and A/C:	08 - HEAT & COOLING PKG	Plumbing Fixtures:	5

**Bath Tile:** 00 - NONE  
**Shape:** 01 - RECTANGULAR DESIGN  
**Act Yr Built:** 1970  
**Electrical:** 03 - AVERAGE  
**Quality:** 01 - AVERAGE  
**Condition:** A - AVERAGE

**Building Areas:**

**Area:** BAS **Sq Ft:** 1,232  
**Area:** BMU **Sq Ft:** 1,232  
**Area:** CPF **Sq Ft:** 448  
**Area:** OPF **Sq Ft:** 80

**Extra Features**

Bldg/Card#	Type	Description	Units
1	CANOPY		1

**Sale Information**

Sale Date	Price	Book	Page	Vac/Imp	Type Instrument	Qualification
10/08/1979	\$0	117	391			

**Land Information**

**Deed Acres:** 0.00      **Calc Acres:** 0.00      **Total Land Units:** 2.50  
**Land Type:** 04 - IMP SITE      **Soil Class:**      **Units:** 2.50

[View GIS Map for this Parcel](#)

[Glossary of Terms](#)      [How to Search](#)      [Fact Sheet](#)  
[Division of Property Assessments](#)      [Comptroller of the Treasury](#)      [State of Tennessee](#)  
[Home Page](#)      [Home Page](#)      [Home Page](#)

**Subject:** public water supply inquiry for private water use survey

**From:** Campbell, Phillip (pcampbell@cecinc.com)

**To:** camdenwater@bellsouth.net;

**Date:** Wednesday, December 20, 2017 7:44 PM

Kathy,

I spoke with you over a year ago to see if you may have a record of any of the following names or addresses as having an account with the city of Camden water supply. I have obtained these names and partial addresses from a list of private wells drilled in the area provided by TDEC-Division of Water Supply. The addresses were limited and the owner names were at the installation of the wells some 30 years ago. Can you please check to see if you have a record of any of these and let me know if they have a city water account? As a refresher, I am attaching the previous E-mail from last year with your response. After our review, it doesn't appear that anything much has changed, I just need to check again to make sure. You can write in the blanks for the column below labeled "public water supply" and send back to me like last time.

*But Has water available*  
*NO RECORD at this time*

Potential Owner at Installation <sup>1</sup>	Potential Current Owner <sup>2</sup>	Suspected Address	Within one-mile radius	In Database	Listed in 2006	Found in Field	Public Water Supply <sup>3</sup>
Ashley M	Resident 1	1000 Eva Road	Yes	Yes	Yes	Yes	Active
Robert Kelley	Resident 2	Little Jim Road	Yes	Yes	Yes	No	NO RECORD
Benny Lowry	Resident 3	Old Highway 69	Yes	Yes	Yes	No	NO RECORD
Billy Harris	Resident 4	Little Jim Drive	Yes	Yes	Yes	No	NO RECORD
Tim Floyd	Resident 5	Hwy. 641	Yes	Yes	Yes	No	NO RECORD
Jimmy Cooley	Resident 6	284 Natchez Trace Road	No	Yes	Yes	No	Non Active
E Horn	Resident 7	1985 Eva Road (by coordinates)	No	Yes	Yes	No	Active
Danny Chandlers	Resident 8	173 Washington Avenue	No	Yes	Yes	No	Active
Wayne Templer	Resident 9	Eva Road	No	Yes	Yes	No	NO RECORD

Please let me know if you have any questions or concerns. Thank you!

Philip

**Philip J. Campbell , \*P.G. / Assistant Project Manager**

Civil & Environmental Consultants, Inc.

325 Seaboard Lane · Suite 170 · Franklin, TN 37067

Toll-Free: (800) 763-2326 · Direct: (615) 577-9354 · Fax: (615) 333-7751

Mobile: (865) 742-2526 · <http://www.cecinc.com>

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# THE CITY OF CAMDEN

110 HWY. 641 SOUTH  
P.O. BOX 779  
CAMDEN, TENNESSEE 38320  
Phone 731-584-4656  
Fax 731-584-1781  
Email [cityofcamden1@bellsouth.net](mailto:cityofcamden1@bellsouth.net)

Philip;

924 E. Lake St. Camden, TN 38320

Has water and it is AN Active  
Acct

Thanks

Stephanie Buckingham  
Camden Water Dept.  
731-584-4656

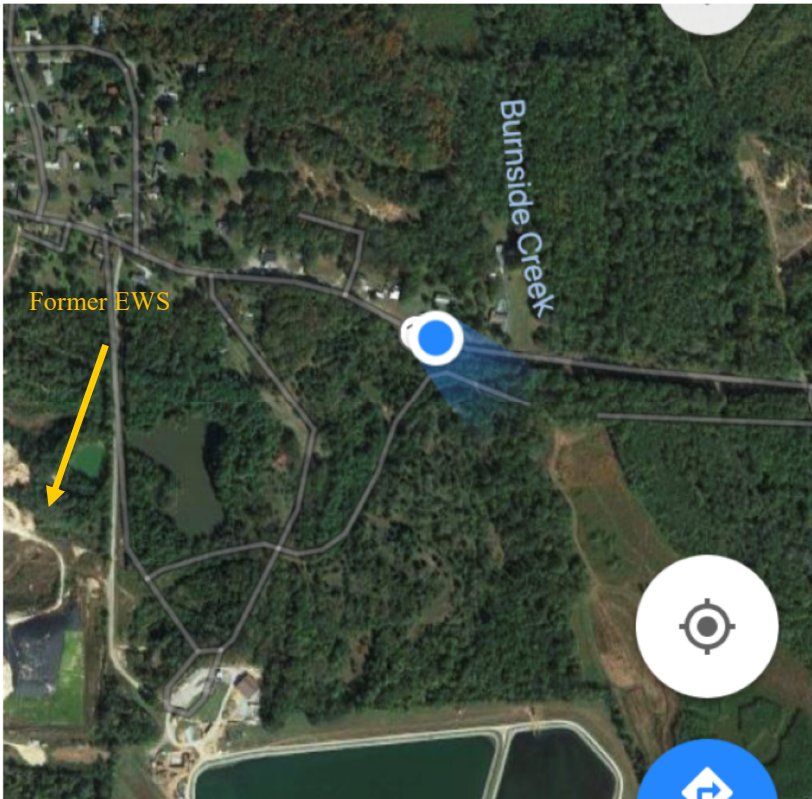


**Photo Number: 1**

**Description:**

**1000 Eva Road,  
Camden, TN:**

Small structure resembling a pump well house . Location corresponds to "Resident 1" within the one-mile search area and can be viewed in Figure 1 and Figure 2.



**Photo Number: 2**

**Description:**

**1000 Eva Road,  
Camden, TN:**

Google Maps screenshot of location where Photo Number 1 was taken.

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Franklin, TN 37067  
Ph: 615-333-7797 Toll Free: 877-231-2324  
www.cecinc.com

**SITE NAME**

**Client Name:** TDEC-Leidos  
**Project Number:** 171-873  
**Author:** Philip Campbell  
**Photographs Taken on:** 12/12/17





**Photo Number:** 3

**Description:**

**924 Eva Road,  
Camden, TN:**

Small structure resembling a pump well house . Location corresponds to "Resident 2" within the one-mile search area and can be viewed in Figure 1 and Figure 2.

**Photo Number:**

**Description:**



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Franklin, TN 37067

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**SITE NAME**

**Client Name:**

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**Project Number:**

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**Author:**

Philip Campbell

**Photographs Taken on:**

12/12/17