UNIFORM KENTUCKY WELL CONSTRUCTION RECORD

Use this form to report installation of monitoring or water wells.

Original copy must be submitted to Division of Water within 30 days of completion.

See instructions on reverse of form. Do not write in shaded areas.

Record must be typed or neatly printed or it will be returned to the driller as unacceptable.

One copy to Division of Water, one copy to owner, one copy to driller's files.

l. Owner	Linita											1. Kentuc	ky Well	ID (A	KGWA)						
name	Unite	United States Department of Energy											8 0		5	- 6	3	8 8			
S. Owner address														2. Owner Well ID# MW-424 Shallow							
6. City	West Paducah 7. State								KY ^{8. Zip} 42053				3. Attachments Required								
f site name and address differ from owner name and address:														Site plan or sketch map Well location							
9. Site name															On topographic map, <u>OR</u> Obtained by GPS unit Conditionally Required						
10. Site	Site address 5600 Hobbs Road													Well diagram (monitoring well) Coliform analysis (if applicable)							
11. City	Wes	t Padu	cah				12. 9	State	^{13. Zip} 42053				Signed variance (if applicable) Optional Other laboratory analysis report								
14. Agency			<u> </u>	15. Facilit	ty type	0	CERCL	A	Solid	31. Work		Jun	10 De	-	2009 Year						
Interes	1 30	59	- 1		&		RCRA	ı	UST			32. Work		Jun	1	-	2009				
(AI) Numbe		7 (ID N	umber										Month	De	ıy	Year			
16. Owner phone						1	7. Site	e						Please report depths in feet below surface, not as relative elevations							
18. USGS	topo map	Heath						$\overline{}$. Physiographic Region					33. Total depth (ft)							
19. County		Mccra						70	☐ Bluegrass ☐ Ohio River Alluvium					34. Depth to bedrock (ft)							
20. Surface 21. Elevation determined by										E. Coal Field W. Coal Field Miss. Plateau Jackson Purchase					35. Static water level (ft)50.00						
elevation (ft) 381.00 GPS Map Prior report Survey Prior well log								T,] Miss.	36. Casing height above surface (in) 33.00											
23. Well Use 24. Drilling method										25. Well status let wash Active					WATER WELLS ONLY						
								_	et wash ush/prob	e	Inactive		37. Estimated well yield								
Domes	mestic							_	otary - ai	gpm gph gpd 38. Well service # of people served											
Industr	Auger - hand							_	otary - m otary - re		39. Disinfectant amount 40. Type										
■ Monitoring / Ambient Monitori									and point onic	Bleach											
Public Unused Excavation									Unknown						s 🔲	cups	☐ H	ypo- lorite			
☐ Combined – HS aug									8 air rot			☐ Ibs ☐ gal 41. Pitless adapter installed ☐ Yes ☐ No									
27. Well c			Casing	The State	asion t		Scree	sn .	From	To			p install			-					
depth, ft.	depth, ft. 71.0	diameter diameter Casing type slot size							depth, ft.	59.0	Bentonite		Submersible Jet Turbine Bailer or bucket Hand No pump								
0.0 71.0	73.0	8	2	PVC so	creen		0.01	10	59.0	61.0	Bentonite p	ellets		th to inta				,			
73.0	75.33	8	2	PVC	****				61.0	87.5	Sand				-	and odor	:				
A., (A., () () () () () ()							an a symmetric with		paga an		-			Clear		6	ž "	_			
											<u> </u>		ANG D	Clear Cloudy	y	RO Bio	sligh mod	rigir.			
29-8000 BW 1989 ST	-	if more spa					and the same and the same of t		30. Sketc	h map		Clear Supplied Sulfur									
From depth, ft.	To depth, ft.		tion (inc	clude any a apparen	t quality)															
0.0	3.3	B Gravel Fill										COLIFORM TEST									
3.3	18.6	Silt W.Crovel and Some Sand										45. Coliform test type fecal fecal fecal fecal fecal fecal fecal and total									
18.6 23.4	25.6	Silt W/Gravel and Some Sand Gravely Fine Sand										46. Coliform test results O or < 1.0 TNTC Confluent									
25.6	27.9	Fine Sand W/Gravel										or #colonies per 100 ml									
27.9	41.7	Sandy	Grave	əl								47. Da									
41.7	51.1	Silt			graph									ed			Day	Year			
51.1	61.7	Fine S											ite ed	Monti	ħ	Day	Year				
61.7 83.0	83.0	Sandy	51					Show well location and distances from permanent structures, septic drain fairly, major roads (include name or number) and Intersections.					DM		۰	,	•				
1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	IVIISSIII	9	r-vaccements (VIII)					Show well location and distinct from participations. fields, major roads (include name or number) and intersections. MDICATE NORTH WITH AN ARROW.					le or — De	cimel	37	115	741				
49. Com	nents f 3 nest	ed wells	comi	oleted i	n a co	ommoi	n 8-incl	h bo	rehole	as MV	V-424. 4'X	4'X12"		DN	AS .						
One of 3 nested wells completed in a common 8-inch borehole as MW-424. 4'X4'X12" concrete pad, 8-inch Sch 40 steel locking cover, 4 steel bollards.												Longit		cimal	88.	8111	82				
50. Affirmation: The work described above was done under my supervision, and this report is true and correct to the best of my knowledge. Note: the driller is pole-emptifiable for fatural groundwater quality or quantity encountered while drilling or completing this well.												Lat/Long method INT GPS SUR REP									
Signatur	e of	V		w					Dat	Date Received 1 3 2009											
										menta	l Group, In		Enitials of poviewer								
1						I												rev 04/11/200			

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JB

2009 2099



Owner name	Unite	nited States Department of Energy												66		5			
Owner address	5600	O Hobbs Road												MW-	-424 Int	ermed			
City	West	t Padu	cah				7. Stat	k KY		8. Zip	42	053	3. Attachment Required 1. Site pla						
						and addr							2. Well loc	cation	ic map, <u>OR</u>				
Site name	Padı	ucah G	3asec	ous Di	ffusio	on Plant	t C-4	00 Buil	ding			_		ined by G	SPS unit				
0. Site address	5600) Hobb	s Ro	ad									Well diagram (monitoring well) Coliform analysis (if applicable)						
1. City	Wes	t Padu	ıcah				12. Sta	ate KY	te KY			2053	Signed variance (if applicable) Optional 6. Other laboratory analysis report						
4. Agency			\neg	15. Facili	ity type	■ CE	RCLA	☐ Solid	Solid Waste Drinking Wat				31. Work start date	Jun	10 Day	2009 Year			
Interest (AI)	30	059			&	☐ RO	CRA	UST	UST					Jun	10	2009			
Numbe				IDN	lumber								end date	Month	Day	Year			
6. Owner phone						17. 8	ite phone							Please report depths in feet below surface, not as relative elevations					
8. USGS t	оро тар	Heath	1					22. Physiog	. Physiographic Region					33. Total depth (ft) <u>83.33</u>					
9. County		Mccra	acken	1			_	_	☐ Bluegrass ☐ Ohio River Alluvium ☐ E. Coal Field ☐ W. Coal Field					34. Depth to bedrock (ft)					
0. Surface GPS Map Prior report									☐ Miss. Plateau ☐ Jackson Purchase					35. Static water level (ft) 50.00					
Survey Prior well log														36. Casing height above surface (in) 33.00					
3. Well Us	Yell Use 24. Drilling n griculture ☐ Geothermal ☐ Auger -							Jet wash		25. Well status Active			WATER WELLS ONLY 37. Estimated well yield						
	ommercial Heat pump D A							Push/prob		☐ Inactive☐ Unsuitable for intended use			gpm gph gpd						
Domestic HVAC						uger - buck uger - hand		Rotary - a					38. Well service # of people served						
☐ Industri	—		_ ∐Inje - -		□ c	able tool		Rotary - re		26. Wellhe			39. Disinfecta	39. Disinfectant amount 40. Type					
Remed		blent Monitor	_	-	☐ D	riven casin	9 🔳	Sonic		Flush		ocking.	Bleach						
Public	_		_ Duni	used	. –	xcavation ombined –		Unknown ger & air ro	tary	■ Well ■ Sanit	cap ary sea	1	☐ lbs ☐ gal chlorite						
7. Well co	mpletion	: Casing	and scre	ens				28. Annu	28. Annulus fill and seal					41. Pitless adapter installed Yes No					
From depth, ft. c	To depth, ft.	Borehole diameter	Casing diameter	C	Casing ty		Screen slot size	From depth, ft.	From To Material depth, ft. depth, ft.					42. Pump installed: Submersible Jet Turbine					
0.0	79.0	8	2	PVC				1.0	59.0	Bentonite					Hand 🔲				
79.0	81.0	8	2	PVC so	creen		0.010	59.0	61.0	Bentonite Sand	pellets		43. Depth to intake (ft)						
81.0	83.33	8	2	PVC			marmura na s	61.0	87.5	Sanu	~ ***	a savon more a recordada	44. Apparent	quality a	nd odor:				
				1		***************************************	naportenen accession			•		****	SANCE Clo	ar	none slight	high High			
9. Litholo	gic log (if more sp	ace is ne	eded, con	tinue on	separate pa	ge)	30. Sketc	h map				TAN III Clo	- 1	Б	lron			
From depth, ft.	To depth, ft.	Descrip	xtion (inc	dude any s apparen		water and in	dicate	C1.00.00.00.00.00.00.00.00.00.00.00.00.00						Turbid Sulfur					
	3.3	Gravel	Fill				V	A. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.					Salt						
3.3	18.6	Silt	and the second s			A	ggragggen in inna in in						45. Coliform test type ☐ fecal ☐ fecal and total 46. Coliform test results ☐ 0 or < 1.0 ☐ TNTC ☐ Confluent or # colonies per 100 ml						
18.6	23.4			l and S	ome s	Sand													
23.4 25.6	25.6 27.9	Gravel		y/Grave	٠			10000											
27.9	41.7	Sandy			71			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											
41.7	51.1	Silt													Day	Year			
51.1	61.7	Fine S	and										Sampled 48. Date		55,	100			
61.7	83.0	Sandy	Grave	el				Show well los	Show well location and distances from permanent structures, septic drain					Month	Day	Year			
83.0	87.5	Missin	g	-		********************		fields, major roads (include name or number) and intersections. INDICATE NORTH WITH AN ARROW.					Latitude or 27 UK741						
49. Comm				alatad iu		mmon 8-	inch b	arabala	ac MANA	LADA A'	Y4'Y1	2"	(2)	30.70	, , , ,	, , ,,			
concret	te pad,	8-inch	Sch 40) steel l	lockin	g cover,	4 stee	bollard:	S.	-1 <u>-</u> -11		_	PROCEST CORT DOORS NOT	DMS or Decimal	88.811	182			
50. Affirm	ation: Ti	he work des	cribed ab	ove was do	one unde	r my supervis	ion, and	this report is	true and o	orrect to the b	est of my this well.	knowledge.	Lat/Long me	thod	12534	REP			
Signature certified d	of	1/19	Tu.	lus				Dat sign	ie .		30 Day	2009 Year	Date Receive	ال 🌡	JL 13	2009			
Certificati number	ion	344-045	54-00			Drilling company	Chase	Environ	mental	Group,	Inc.		Initials of proviewer						
													- Company of the Comp			rev 04/11/2008			

Chase Environmental Group, Inc.

Drilling

Certification

ambei

0344-0454-00

B

rev 04/11/200

MONITORING WELL CONSTRUCTION LOG

Location Name: Address:

Paducah Gaseous Diffusion Plant

5600 Hobbs Road

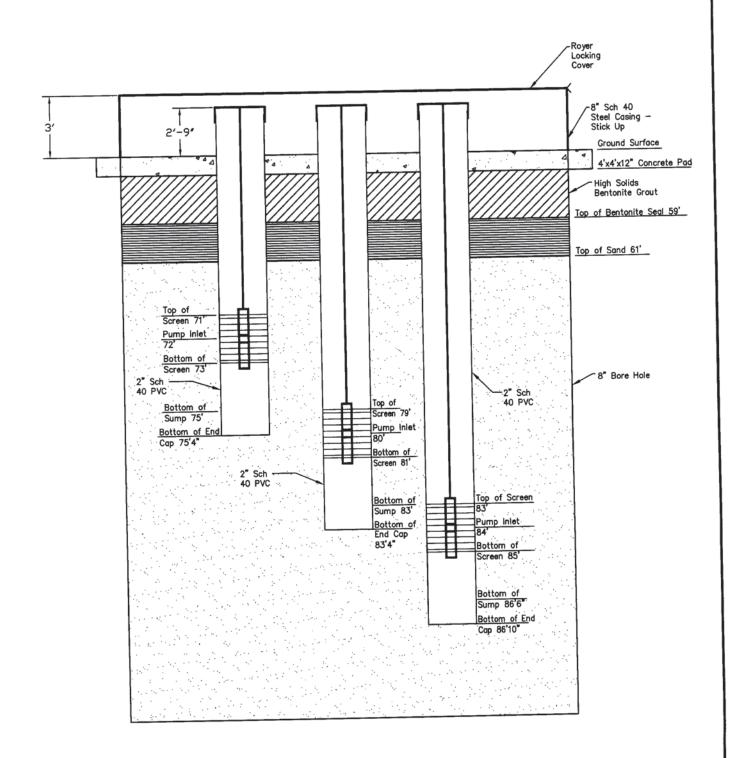
City/State/Zip: West Paducah, KY 42053

State Assigned #

8005-6388

Facility Assigned #

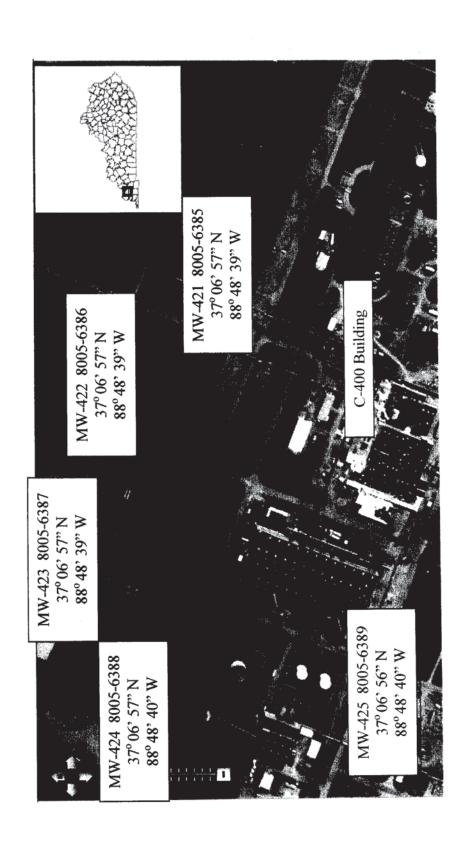
MW-424





Comments: Drawing not to scale.

2009230



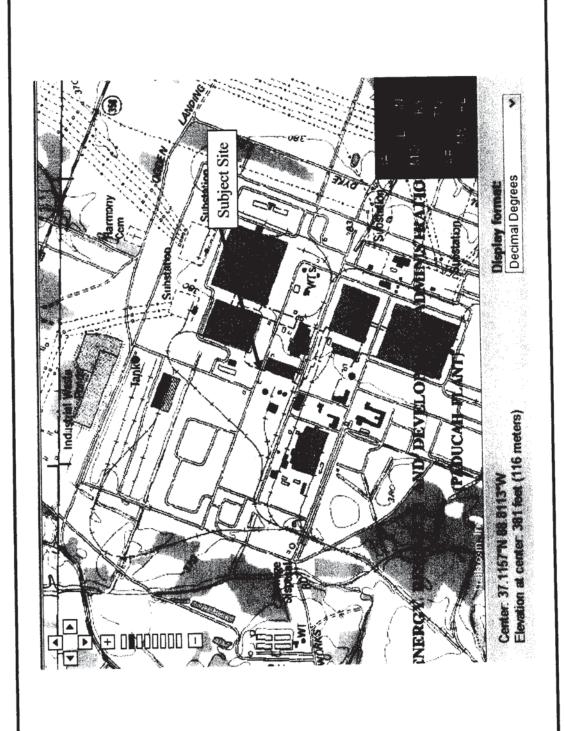
CHASE ENVIRONMENTAL GROUP, INC. environmental engineering, remediation & consulting

Drawn By: Todd W. Mills Date: June 30, 2009

Paducah Gaseous Diffusion Plant - C-400 Building 5600 Hobbs Road, West Paducah, KY Site Aerial Photograph Title:

Comments: Approximate Scale: 1" = 150' Coordinates taken from Google Earth





CHASE ENVIRONMENTAL GROUP, INC. environmental engineering, remediation & consulting

Drawn By: Todd W. Mills

Date: June 30, 2009

Title: Site Topographic Map
Paducah Gaseous Diffusion Plant
West Paducah, Kentucky

Comments: Scale: 1:24,000 Source: USGS 7.5' Topographic Series Heath Quadrangle

