Record (	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.												Kentucky Well ID (AKGWA) Number					
4. Owner name	United	d State	es De	8005-338														
5. Owner address	address 3000 Flobbs Road												-425	Sha	illo			
6. City	West	Padu	cah			7. Sta	ate KY		8. Zip	42053	3. Attachme		t-h		•			
If site nan	ne and a	ddress d	liffer fro	m owner	r name an	d address:					2. Well	olan or ske location			_			
9. Site name	Padu	icah G	aseo	us Dif	fusion l	Plant C-4	400 Build	ding			Ot Condition		GPS unit red					
10. Site address	5600	Hobb	s Roa	ad							4. Colif	diagram (r orm analys ed varianc	is (if appl	icable)				
11. City	West	t Padu	ıcah			12. S	itate KY		13. Zip	42053	Optional	r laborator						
14. Agency			1	5. Facility	y type	CERCL	A Solid	Waste	Drinki	ng Water	31. Work start date	Jun			200			
Interest (AI)	30	059			& umber	RCRA	□ UST				32. Work end date	Jun		-	200 Yes			
Numbe 16. Owner						17. Site					Please	report dept not as rel	hs in feet b ative eleva	elow su	urface			
phone 18. USGS t	tono man	Heath				phone	22. Physiogr	raphic Re	gion		33. Total d	epth (ft)		75.33				
19. County		Mccra					☐ Blueg	rass	Ohio	River Alluvium	34. Depth	to bedrock	(ft)		-			
20. Surfac	e		21. El	evation d	etermined	by Prior report		E. Coal Field  Miss. Plateau		<ul><li>W. Coal Field</li><li>Jackson Purchase</li></ul>		vater level	(,	50.00	-			
elevation (		.00		urvey	D P	rior well log	L IMISS.	, latoua			36. Casing height above surface (in) 33.							
23. Well U					24. Drilling	_	<b>-</b>		25. Well st		1	VATER		ONL	Υ			
Agricul				othermal	Auge		<ul><li>Jet wash</li><li>Push/prob</li></ul>	ot wasii				37. Estimated well yield						
Auger - bucket R							Rotary - ai	totary - air Unsuitable for				38. Well service # of people service						
			HV/	AC				hur			38. Well so	ervice	# O	people	e sen			
☐ Domes	stic		_ □HV/ □Inje		Auge Auge Cable	er - hand	Rotary - m		inten	ded use	_	ervice		40. T				
□ Domes □ Industr	rial	ient Monito	Inje	ction	Auge Cable	er - hand [ e tool [	Rotary - m Rotary - re Sand poin	everse	intend 26. Wellhe	ded use	_	ectant amo	unt	40. T	уре			
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☐ Domes ☐ Industr ☐ Monito Remed	rial		Inje	ection ing used	Auge Cable Core Drive Exca	er - hand E e tool E en casing E evation E	Rotary - m Rotary - re Sand poin Sonic	everse at atary	intend 26. Wellhe Flush Well Sanit	ed use  ad  Locking  cap	39. Disinfo	ectant amo	unt cups	40. T	Type Bleac Hypo- chlorit			
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30 Day

Date signed

Drilling Chase Environmental Group, Inc.

Signature of certified driller

Certification number

0344-0454-00

initials of reviewer

rev 04/11/2008

## UNIFORM KENTUCKY WELL CONSTRUCTION RECORD

UNIFURIN KENTUCKY WELL COINSTRUCTION REC

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

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

One copy to Division of Water, one copy to owner, one copy to driller

JB

Attach Well Identification Number ... Labol Horo (if applicable)

Owner name	United	State	es De <sub>l</sub>	oartm	ent of	Energ	ЗУ		4			W	<b>/2-30</b> /2					
Owner address	5600	Hobbs	Roa	d									Well ID#	MW-42	25 Inte	ermed		
City	West	Padu	Paducah 7. State							8. Zip	4205	53	3. Attachments Required 1. Site plan	or sketch m	iap			
site nam		idress d											<ol><li>Well local</li></ol>					
Site name	Padu	cah G	aseou	ıs Diff	fusion	Plant	C-40	0 Build	ling					ed by GPS				
Site address	5600	Hobb	s Roa	d										ram (monito analysis (if ariance (if a	applicable			
. City West Paducah							e KY	KY 13. Zip			53	Optional 6. Other lab						
. Agency			11	5. Facility	y type	■ CE	RCLA	Solid	Waste	☐ Drinkir	g Water		31. Work start date	Jun Month	O1 Day	2009 Year		
Interest	30	59	- 1		Sk.	R	RA	UST					32. Work	Jun	01	2009 Year		
(AI) Number		- 1		ID N	umber								end date	Month rt depths in	Day Fact below			
. Owner phone						17. 5	ite phone						Please repo	t as relative	elevations	. 1		
	opo map	Heath	1				2	2. Physiogr	aphic Re				33. Total depth	(ft)	83.33	-		
. County		Mccra						Blueg		Ohio			34. Depth to be			-		
). Surface			21. Ele	vation d	etermine	i by	ort	E. Co		<ul><li>W. Coal Field</li><li>Jackson Purchase</li></ul>		35. Static water		50.00	- 1			
evation (		.00	□ S	urvey	Map 🔲	Prior we	il log	LI (VIISS.	. 101000				36. Casing heig					
3. Well U	se			- 1	24. Drilli	ng metho				25. Well str				FER WEI		LY		
	Agriculture Geothermal Auger - HS							Jet wash Push/prob	e	■ Active Inactive			37. Estimated	well yield _ gph	_	<sub>pd</sub>		
	Auger - bucket						ket 🔲	Rotary - a	ir	Unsuitable for		38. Well service # of people served						
_	Auger - nand						Rotary - re		intended use		39. Disinfectar	it amount	40.	Туре				
_ ∰Monito	Monitoring / Ambient Monitori ☐ Mining ☐ Core ☐ S						Sand poin		26. Wellhead  Flush Locking					Bleach				
Tuesd D Syconotion D						Sonic Unknown		Well cap		oz qts cups Hypo-								
Public	_						- HS aug	er & air ro	$\overline{}$		ary seal		Ilbs 41. Pitless ada					
7. Well c		: Casing		ens				28. Annu	- SANCO MANAGEMENT CONTROL	d seal			42. Pump inst					
	depth, ft.	Borehole diameter	diameter	PVC	Casing typ		Screen slot size	depth, ft.	67.0	Bentonite	Material		Submersi	hle 🗖.	Jet 🔲	Turbine No pump		
0.0 79.0	79.0 81.0	8 8	2	PVC se	creen		0.010		69.0	Bentonite	pellets		43. Depth to i					
81.0	83.33	8	2	PVC				69.0	87.5	Sand	#40.000 Notice - 0.000		44. Apparent	quality and	odor:			
	e-androdel control and	Marketine and the second			v		presentation (100 or 100 or 10						삤 🗖 Clea	ar	e # .	v e		
		4		-									APPEARANCE IN			high	ĺ	
29. Lithol	ogic log	(if more s						30. Sket	ch map				Muc	ldy Ö	= = :	☐ ☐ Iron ☐ ☐ Sulfur		
From depth, ft.	To depth, ft		iption (inc	dude any apparer	show of w	ater and i	ndicate						₹ 🖪 Turi	bio		Salt		
0.0	2.5	Grave	el Fill	s 4400 s. 1900 s. 1940 s. 1940 s. 1940 s.		an agrant de l'entre en la							COLIFORM	TEST				
2.5	18.6	Silt	yyy at an are maket it		www.phytonononomenth.et/dir	programme along terrories and different	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	~					45, Coliform	test type	and total		l	
18.6	21.4		//Grave										fecal fecal and total  46. Coliform test results  0 or <1.0 TNTC Confluent  # colonies per 100 ml					
21.4	29.2	1	ely Fine															
29.2	32.4	Fine	Fine Sa Sand V		el		100 00 100 00 00 00 00 00 00 00 00 00 00						or	#00	iones her	.00 ///	1	
32.4		Sand												47. Date Sampled Day Year				
41.0		Silt											48. Date			W		
53.4	1		Fine Sand						and the second of the second o					Analyzed Month Day Year  drain DMS 9 "				
63.2	87.5	Sand	ly Grav	el	Adda Farmon and America		.,	fields, majo	Show well location and distances from permanent structures, septic draftelds, major roads (include name or number) and intersections.  INDICATE NORTH WITH AN ARROW.					or	, , , ,			
49. Com	ments						0 inch							Decimel 5	. 7.17	2276	150	
One	ete pad	ted wel	n Sch 4	0 stee	locking	cove	r, 4 ste	el bollar	ds.	N-425. 4			Longitude	or Decimal	78.8	112.3	7	
50. Affi	rmation:	The work of	lescribed a	bove was	done unde	r my super	rvision, an	d this report	is true and white drilling	correct to the or completin	best of my g this well.	knowled	ge. Lat/Long m	ethod GPS	SUR	REP		
Signatu	e: the driller	IS DATTOS!	ORBIDIO	m	2		,, •	D	ate	Jun	30	2009	Date Receiv	" JUL	. 18	Sona		
certifie	re oi I driller	W,	<u> </u>	12	$\overline{}$				igned	Month	Day	Yes	<b>"</b>				Š.	
Certific number		0344-0	454-00			Drilling company	Chas	e Enviro	onment	al Group	Inc.		Initials of reviewer			rey 04/11/200	08	

## UNIFORM KENTUCKY WELL CONSTRUCTION RECORD

**Attach Well Identification Number** 

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

Original copy must be submitted to Division of Water within 30 days of come 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 u One copy to Division of Water, one copy to owner, one copy to driller's

JB

0009 9095

4. Owner name	Unite	ed Sta	tes D	epartn	nent	of Ener	gy				80	UZ-31	JZO		•		
5. Owner addre	5600	) Hobb	s Ro	ad								2. Owner Well ID#	MW-4	125 De	ер		
6. City		est Paducah					7. State KY 8. Zip 42053					3. Attachments Required					
If site na	ame and	address	differ fr	rom owne	rnan	ne and addr	988:					2. Well lo	cation		•		
9. Site name	Pad	ucah (	Gase	ous Di	ffusi	on Plant	C-4	100 Buil	ding			Obta	lopographic ained by GP	S unit			
10. Site addre	<sub>ss</sub> 560	0 Hob	os Ro	oad								4. Colifor	iagram (mor m analysis (	nitoring well if applicable	e) 🗖		
11. City	Wes	st Padı	ucah				12. Si	tate KY		13. Zip	42053	Optional	t variance (it		. –		
14. Agenc								☐ Solid	Waste	Drinking	Water	31. Work start date	Jun Month	O1 Day	2009 Year		
Intere (AI)	3054   " "						UST				32. Work	Jun	01	2009			
Numb				IDN	lumbe	r						end date	Month	Day	Year		
16. Owner phone						17. S	ite hone						port depths in not as relative		surface,		
18. USGS	topo map	Heath	1					22. Physiog	raphic R	egion		33. Total dep	th (ft)	87.33	<u>3</u>		
19. Count	ty	Mccra	acker	١				Blue	-		River Alluvium	34. Depth to	bedrock (ft)		-		
20. Surfac		00		Clevation d		ined by	ort .	E. Co		W. Con	al Field on Purchase	35. Static wa	ter level (ft)	50.00	_		
elevation	(ft) 381	.00		Survey		Prior well		E WISS	. Flateac	E vacase	ni i di di di di	36. Casing he	eight above s	urface (in)	33.00		
23. Well U					24. Dı	rilling method				25. Well state	25	WA	ATER WE	LLS ON	LY		
_ "	Agriculture Geotherma				_	Auger - HS Auger - SS	_	Jet wash Push/prot	ne	Active Inactive		37. Estimated	_				
Dome	Commercial Heat pump					Auger - bucke	et 🔲	Rotary - a	ir	Unsuitable for		gpm gph gpd  38. Well service # of people served					
	Industrial Injection Cable tool					Rotary - n		intended		-							
	■ Monitoring / Ambient Monitori							Sand poir	Sand point 26. Wellhead				ant amount	_	Type Bleach		
Public							Sonic Unknown ger & air ro	tary	Well cap	p	oz qts cups Hypo- chlorite						
27. Well o	27. Well completion: Casing and screens							28. Annu	lus fill ar	nd seal							
From depth, ft.	To depth, ft.	Borehole Casing diameter diameter Casing type Screen slot size					From depth, ft.	To depth, ft	Mi	atorial	42. Pump ins						
0.0	83.0	8	2	PVC	A. A. JATTE BY 1970	and the second		1.0	67.0	Bentonite		Submersible Jet Turbine Bailer or bucket Hand No pum					
83.0	85.0	8	2	PVC so	screen 0.01			67.0	69.0	Bentonite pe	ellets	43. Depth to intake (ft)					
85.0	87.33	8	8 2	PVC	etro como cutor	was are a second as the second	namen name na distribution ( All Color of	69.0	87.5	Sand	and comments to the control of the c	44. Apparent quality and odor:					
			yage - American	1		y~~	·			: 		뱅 🗖 Cle	ear	none slight	rigi G		
29. Lithol	logic log (	if more sp	ace is ne	eded, cont	inue o	n separate pag	e)	30. Sketc	h map				. 8				
From	То	***************************************		dude any s	how of	water and ind	raceanor.										
	depth, ft. 2.5	t. Supportent quality) Gravel Fill						4				COLIFORM TEST					
2.5	18.6							1									
18.6	21.4	Silt W	Grave	el .	igo aggo Roso so Roso	-04	********					45. Coliform test type					
21.4	29.2	Grave	ly Fine	Sand								46. Coliform	test results	NTC D	Confluent		
29.2	32.4	Silty F	ine Sa	and				600				or		lonies per 1			
32.4		Fine Sand W/Gravel										47. Date		-			
36.0	41.0											Sampled Day Year					
41.0 53.4	53.4											48. Date Analyzed	Month	Day	Year		
63.2		Sandy Gravel Show well location and distances from permanent structures, or							d intersections.	-	DMS						
49. Com									INDICAT	E NORTH WITH AN	ARROW.	Latitude	or Decimal 3	7 11	1597		
One o	f 3 nest	ed wells 8-inch	s comp Sch 4	pleted ir 0 steel l	a co ockir	ommon 8-i ng cover, 4	nch l	borehole el bollard	as MW s.	/-425. 4'X4	1'X12"	Longitude	DMS	8.81	1237		
50. Affirm	mation: T	he work des	peribed at	pove was do	ne und	er my supervisi er quality or qua	on, and	this report is countered wh	true and c	orrect to the best or completing this	of my knowledge. s well.	Lat/Long m	ethod GPS D	SUR E	] REP		
Signatur certified	e of	Va	.Hl	12	_			Dat sigr	e .	Jun 30		Date Receiv	ed 11 11	1 3 20	009		
Certifica number	tion 0	344-04	54-00			Drilling company C	hase	Environ	mental	Group, Inc	<b>&gt;</b> .	Initials of reviewer	JUL		<b>建筑是</b>		
<b>—</b>															rev 04/11/2008		

sic

## MONITORING WELL CONSTRUCTION LOG



Location Name: Paducah Gaseous Diffusion Plant

5600 Hobbs Road

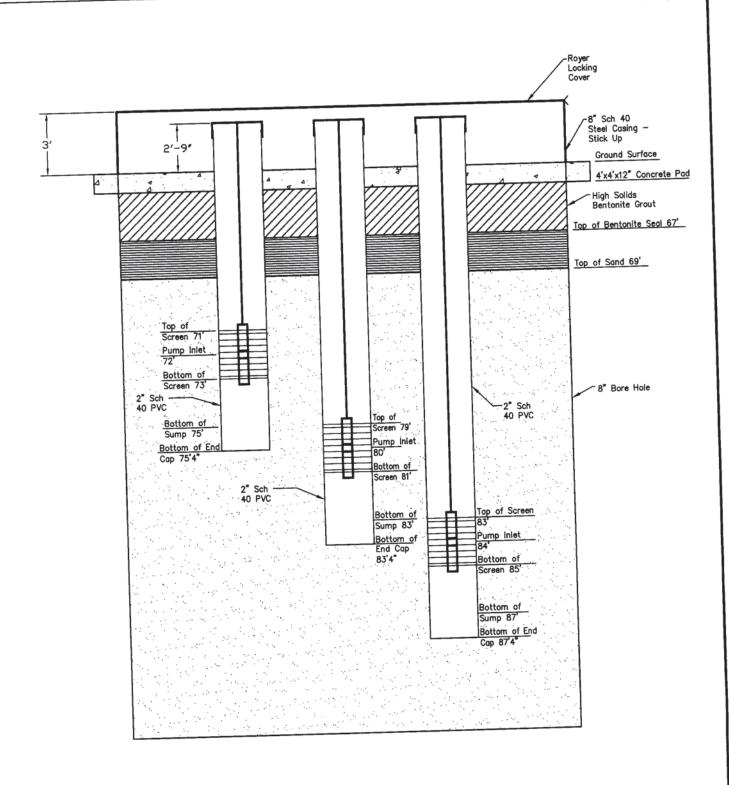
West Paducah, KY 42053 City/State/Zip:

State Assigned #

8005-6389

Facility Assigned #

MW-425





Comments: Drawing not to scale.



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

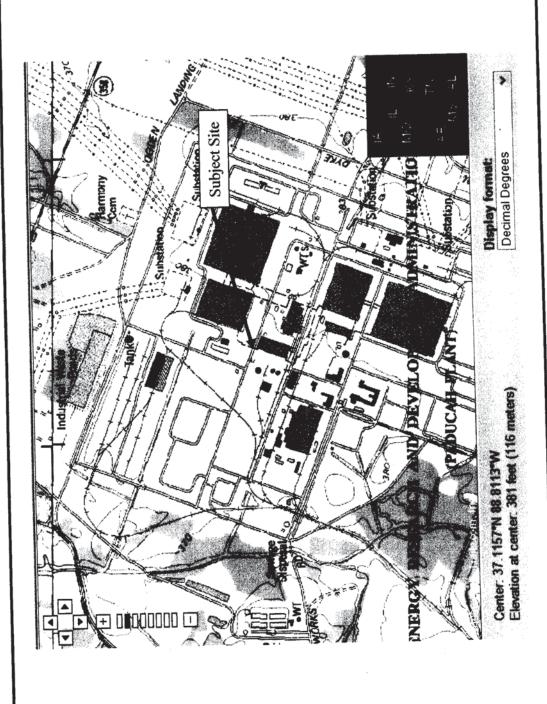
Comments: Approximate Scale: 1" = 150' Coordinates taken from Google Earth

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

Date: June 30, 2009

Drawn By: Todd W. Mills





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

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

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

0000 00

Drawn By: Todd W. Mills

Date: June 30, 2009

