Sample Results Matrix Table for Key Energy NM1-9 Landfarm Cell#1																																										The Part of the	-							
Rule Reporting Sample																																																		
Sample ID: Requirement Requirement Quarter Date: Matrix						Chlorides TPH 418.1			TPH 8015			BIEX 8021					Metals 6010/6020													General Chemistry																				
							Total	Total	Total	GRO [DRO ORO	Tot	tal Benzene	e Toluene	Ethyl-Ben M-	P,Xylene 0-Xyle	Arens	ic Aluminur	Barium	Boron Ca	admium Chi	romium Co	balt Coppe	r Iron	Lead	Manganese M	olybdenum mo/ko	Mercury N	Nickel Se	elenium Sil	lver Zinc	pH	Cond	TDS	TDS(cal)	SAR A	lk Hardne	ess BiCarb	Carb	OH I	Nitrate N	Nitrite Chl	oride Fluoride	e Phosphate	Sulfate	Iron Ca	Ilcium M	ag Potassi	um Sodium	1 Cyanide
							mg/kg	mg/kg	mg/kg	mg/kg n	ng/kg mg/kg	i ing/	rkg ing/kg	mg/kg	mg/kg		<u>y</u>	y my/ky	mg/kg	mg/kg	mg/kg		/kg mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg mg	g/kg mg/kg	5.0.	uninos/cm	mg/i	mg/i	ratio	g/i mg/i	mg/1	mg/i	tig/i	mg/i		ng/i	mg/i	mg/i	mg/i	mg/1 mg	g/i mg/i	mg/1	mgyi
Treatment Zone-																										1																								
TZ (composite)	Part 36	None	3rd Otr-2011	"09/23/2011	" Soil		310	28.600	57.9	34.9	23 7400	0.6	18 0.0023	0.087	0.043	0.392 0.093	2.01	2460	970	2.82	0.192	7.88 3	34 20.5	6820	21.9	208	0.243	0.755	16.5	0.257 0.0	001 62.2	7.08	1200	1530	1730	0.4 2	10 1280	210	<.01	<.01	0.04	<.01	310 1	0.18	753	0.035	416 5	4 25.8	37	ND
Cen-#1-12-Composite	Part 30	None	510 QU-2011	03/23/2011	301		510	20,000																																										1
						Average # of Samples	310 1	28600	57.90 1	34.90 2 1	23.00 7400.0 1 1	0 0.6 1	52 0.00 1	0.09	0.04	0.39 0.09	2.01	2460.00	970.00	2.82	0.19	7.88 3	34 20.50 1 1	6820.00	21.90	208.00	0.24	0.76	16.50	0.26 0. 1	.00 62.20 1 1	7.08	1200.00 1	1530.00	1730.00	0.40 210	0.00 1280.0 1 1	00 210.00 1	0.00	0.00	0.04	0.00 31	0.00 1.00 1 1	0.18	753.00 1	0.04 4 1	16.00 59 1	40 25.80 1) 37.00 1	0.00
Vadose Zone-VZ										9.10				Salar In													and and																		1.2				2	
<u>ICCENTEL 7</u>		Quaterly- 711 report :	30 f																				1.913																		-					-1				
Cell#1-VZ	711 & Part 36	analysis; Part 36 not required unless a	t 3 rd Qtr-2011	"09/23/2011	" Soil		950	139	ND	ND	ND ND	0.03	348 ND	0.0059	0.0022	0.0206 0.006	1 1.42	2510	123	3.06	0.029	1.54 1	52 4.8	1910	1.89	45.9	0.629	0.167	4.25	0.005 0.0	053 7.02	7.02	2430	1580	1660	7.1 1	20 610	120	<.01	<.01	<.01	<.01	3.8	0.03	38.8	<.01	110 87	.6 4.3	401	ND
	and an end of the second	release has occurred	i.	1	1	Average	950	139	0	0	0 0	0.03	348 0	0.0059	0.0022	0.0206 0.006	1 1.42	2510.00	123.00	3.06	0.03	1.54 1	52 4.80	1910.00	1.89	45.90	0.63	0.17	4.25	0.01 0.	.05 7.02	7.02	2430.00	1580.00	1660.00	7.10 120	.00 610.0	0 120.00	0.00	0.00	0.00	0.00 95	0.00 3.80	0.03	38.80	0.00	110.00 8	60 4.30	401.00	0.00
Contraction of the	And the second	of State Landship			A CONTRACTOR OF THE	# of Samples	1	1	1	i	1 1	1	1	1	1	1 1	1	1	1	1	1	1	1 1	1	1	1	1	1	1	1	1 1	1	1	1	1	1	1 1	1	1	1	1	1	1 1	1	1	1	1	1	1	1
		Landfarm St	ratified Ave	rage of Co	onstitieunts	Average	630	14370	29	17	12 3700	0.32	264 0.0012	0.0465	0.0226	0.2063 0.049	6 1.72	2485	<u>547</u>	2.94	0.11	4.71 2	43 13	4365	12	127	0.44	0.46	10.38	0.13 0.1	.03 35	7.05	1815	1555	1695	4 10	55 945	165	0.00	0.00	0.02	0.00	30 2.40	0.11	396	0.02	263	1 15	219	Q
2000 - AND 1995						# of Samples	2.00	2.00	2.00	2.00	2.00 2.00	2.0	2.00	2.00	2.00	2.00 2.00	2.00	2.00	2.00	2.00	2.00	2.00 2	00 2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00 2.	.00 2.00	2.00	2.00	2.00	2.00	2.00 2.	00 2.00	2.00	2.00	2.00	2.00	2.00 2	2.00 2.00	2.00	2.00	2.00	2.00 2.	2.00	2.00	2.00
																								3																										
<u>Site Background</u> Samples		Site Backgrou	und Constit	ieunts						•																																								
BG-S			3rd Qtr-2011	*09/21/2011			80.00	66.90	ND	ND	ND ND	N	D ND	ND	ND 0.0029	ND ND	2.15	5700.00	86.90		0.01	4.09 3	25 9.84 77 5.59	4880.00	4.59	138.00	0.04	0.01	5.87	0.11 1. ND 2	.17 22.00	8.25	538.00	530.00	500.00	9.40 84	.00 55.00	84.00	0.00	0.00	8.00	3.50 11	0.00 3.40	45.00	100.00	0.11	11.50 6	40 5.53	160.00	ND
BG-NE			3rd Qtr-2011 3rd Qtr-2011	"09/21/2011	•		20.00	46.90	0.80	ND	0.80 ND	0.00	043 ND	ND	ND	0.0021 0.002	2 1.70	4690.00	124.00	and the	0.02	3.45 2	65 7.83	3930.00	4.37	130.00	0.02	0.03	4.79	0.06 1.	.27 19.00	8.14	411.00	360.00	410.00	6.10 81	.00 72.00	81.00	0.00	0.00	0.08	1.88 12	0.00 1.80	25.00	57.50	0.058	18.00 6	75 6.38	120.00	ND
			and the second		-	# of Samples	176.67	51.33 3	0.27	0.00	0.27 0.00 3 3	0.01	107 0.00 I 3	0.00	0.00	0.01 0.00 3 3	1.92	4490.00	107.97 3	0.00	0.02	3.14 2 3	56 7.75 3 3	3860.00	3.85	113.63 3	0.04	0.05	4.51 3	0.06 1. 3	.53 17.90 3 3	8.16 3	853.00 3	753.33 3	820.00 3	3 77	.00 111.0 3 3	0 77.00 3	0.00	0.00	2.69	2.46 28	6.67 2.80 3 3	24.00 3	155.83 3	0.09 7	20.00 14 3	98 5.94 3	256.67	0.00
		I an déanna Chu	atiliad Aug		Rackgroud		453.33	14310.17	20.60	17.45 1	1 22 2700 0	0 03	0.00	0.05	0.02	0.20 0.05	-0.2	-2005.00	438.53	2.94	0.09	1.57 -0	13 4.90	505.00	8.04	13.32	0.39	0.41	5.86	0.07 -1	50 16 71	-1.11	962.00	801.67	875.00	6 35 88	00 834.0	0 88.00	0.00	0.00	-2.67	-2.46 24	2 22 _0 40	-33.00	240.07	-0.07	12.00 51	E2 0.11	27.67	
		Landrarm Str	atmed Ave		S Backgroud		433.33	14310.17	20.00	ALLTS A	2122 27.00.0			MINE			_		100000						NIE.	ARIER	XUKZ.	VIIA	ELE.E.				202122	MEALER.		Mindae MM	NY, METRY	<u>v</u> <u>exity</u>	<u>STER</u>	<u></u>		<u>VIIA</u>	VITY	-43.29	£10.07	-9.92 63	13.00 23.	26 2.44	-37.97	0.00
Treatment Zone Closure Standards					1000	2500	500	na	na 2500 ·	50	0 0.2	na	na	na na	backgro	und backgroun	background	background ba	ckground bac	kground back	round backgrou	nd background	background	background	ackground b	ackground bac	ckground bac	kground backg	round backgrou	ind na	na	na	na	na n	a na	na	na	na	na	na 1	000 na	na	na b	ackground	na r	a na	na	na		
						NA-Unless a	NA-Unless a	NA-Unless	NA-Unless NA-	-Unless NA-Unle	ss NA-Un	nless NA-Unless	NA-Unless	NA-Unless N. a release a	-Unless NA-Unio	ess NA-Unit	ess NA-Unless	NA-Unless a release	NA-Unless N/ a release a	A-Unless NA release a	-Unless NA-U	niess NA-Unie ease a releas	ss NA-Unless	NA-Unless a release	NA-Unless a l release has	A-Unless a l	NA-Unless NA	A-Unless NA	-Unless NA-U	Inless NA-Unle	ss NA-Unie	ss NA-Unless	NA-Unless I	NA-Unless NA	Unless NA-U	niess NA-Unie	ess NA-Unles	s NA-Unless	NA-Unless N.	A-Unless NA	A-Unless NA-U	Inless NA-Unles	s NA-Unless	NA-Unless I	NA-Unless NA	-Unless NA-U	nless NA-Unie	ess NA-Unless	is NA-Unless	
				occurred	occurred then	has	has occurred occ	has has curred occurre	d occur	red occurred	has	has occurred o	has has ccurred occurre	has occurr	has occurred	has occurred	has occurred o	has ccurred oc	has h courred occ	as has prred occurre	has occurred	has occurred	occurred then Part 29 t	occurred hen Part 29	has occurred oc	has ccurred oc	has ha	as has urred occurre	has occurre	has d occurred	has occurred	has occurred oc	has ha	rred occurr	has ad occurred	has	has occurred o	has occurred oc	has h ccurred occ	as has urred occurred	has occurred	has	has occurred or	has hi	s has	has	has			
Vadose Zone Closure Standards				or Part 30	30	then Part 29 or Part	then Part the 29 or Part 29	or Part 29 or Pa	rt then l art 29 or	Part then Part Part 29 or Par	then Part 29 or Part	then Part ti 29 or Part 2	en Part then Pa or Part 29 or Pa	art then Part 29 or P	art then Part art 29 or Part	then Part 29 or Part	then Part th 29 or Part 29	hen Part the 9 or Part 29	en Part ther or Part 29 o	Part then Pa Part 29 or Pa	rt then Part rt 29 or Part	then Part 29 or Part	or Part 30	or Part 30	then Part the 29 or Part 29	or Part 29	en Part then or Part 29 or	Part then Pa r Part 29 or Pa	rt then Part art 29 or Pa	rt then Part rt 29 or Part	then Part 29 or Part	then Part the 29 or Part 29	or Part then 29 or	Part then Part Part 29 or Part	art then Part art 29 or Par	then Part 29 or Part	then Part ti 29 or Part 2	then Part the 29 or Part 29	or Part 29 o	Part then Part r Part 29 or Par	t then Part t 29 or Part	then Part 29 or Part	then Part the 29 or Part 29	in Part then or Part 29 o	Part then Pa Part 29 or Pa	art 29 or Part	t then Part			
				1					30	30	30 30		0 30	30	30	30 30		30	30	30	30	30 3	0 30	30	30			30	30	30 3	30 30		30	30	30	30 3	0 30	30	30	30	30	30	30 30	30	30	30	30 3	30	30	30
		NMED Soil Sc	reening Lev	rels (SSL's	5) DAF 20		па	na	na	na	na na	na	a na	na	na	na na	na	na	6030	480	27.5	4.22 1	a 1030	12900	400*	5.4	74	0.587	953	19.3 n.	na 13600	na	na	na	na	na n	a na	na	na	na	na	na i	na na	na	600**	na	na n	na na	na	149
		unless otherv	wise noted	WOCC Group	dwater Standard							_												-																										
		* Lead Residential S	Son +- Sunate- M	- wyce aroun																				-																										
	Critera 1	Exceedence o	of Closure S	tandard o	r Background		No	Yes	No	na	na <u>Yes</u>	nc	o no	na	na	na na	No	No	Yes	Yes	Yes	Yes	o <u>Yes</u>	Yes	Yes	Yes	Yes	Yes	Yes	Yes N	No <u>Yes</u>	No	No	No	No	No N	o No	No	No	No	No	No	No No	No	Yes	No	Yes Y	s Yes	No	No
													-																											-				-						
	Critera 2	Exceedence o	of Closure S	tandard o	r NMED SSL		No	No	No	No	No No	No	o No	No	No	No No	No	No	No	No	No	No	lo No	No	No	Yes	No	No	No	No N	No No	No	No	No	No	No N	o No	No	No	No	No	No	No No	No	No	No	No M	o No	No	No
						P. Ares																				13.2																								
														a and	1 120-0																																			
		for both C	riteria 1 &2	above			NO	Yes	NO	NO	NO Yes	NG	2 NQ	NO	NO	NO NO	NO	NO	NO	NQ	NO	NO	Q NO	NO	NQ	Yes	NO	NO	NO	NO N	IQ NO	NO	NO	NQ	NO	NO N	e No	NO	NO	NO	NO	NO	NO NO	NO	NO	NO	NO N	2 NQ	NQ	NO
										1													10 A A A A A A A A A A A A A A A A A A A				10000													100 Mile 100										