REVISED 11/29/2012

						Gen	eral Chairman -	Jerrv Holton									11/29/12
Monday, May 20			11:00 AM - 5:00 PM Pre-Registration Walk-in Registration			2:00 PM - 6:00 PM NACE Technician Review Course Joel McLawhorn			3:00 PM - 5:00 PM Outdoor Clinic Pinto/Girt/Pierce/Stanlev/Walker/Mollica/Rine/Scott			6:00 PM - 8:00 PM Basic Electricitv Tim Perkins			Monday May 14		
	, , .	,	Wait-in Redistration Joel McLawfrom Philosophyreres/Stanew/Wait-innescott Inn Peruns Inn Peruns Fine Sci Blue Bonne (1.3) Ami-cultural Annex Billidina - Green Court Year Feminaedina Science Billidina Poom (1.3) Tuesdav, May 21 (2) 8:30 AM - General Assembly - Mineral Resources Building Auditorium (Room 113)														
											Building Auditorium (Room 113)						—
	Hall Monito	ors needed						ANTE SOME FIRSTINATOR SOME PROPERTY OF						1			
										Pipeline Integrity	Technology		Water &	System	Outdoor Workshop	·	
72			Hall Monitor	Hall M			Monitor	Hall M	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Management	Today	Internal Corrosion	Wastewater	Diagnostics	(weather permitting)	What's New	_
May ;			Fundamentals Bob Sperling	s Basic		Intermediate		Advanced Coatings		Tom Cairns	Mark Linville	Karen Benner	Don Schumacher	John Block	.lim Kulczyk	Mineral Resource	Tuesday, May 21
×	Time	Period	Min. Res. Bldg, 113 Fundamentals of	South Agr. Sci. 1021	Agr. Sci. 1001	Ena Sci Room G-102 Corrosio	Ena Sci Room G-39	Law Building - Court Room Pipe to Soil	Mineral Res. Bldg. 109	Mineral Res. Bldg 205 Pipeline Integrity	ESB 207 In-Line Inspection	Eng. Sci. Bldg G-83	Ena. Sci.Blda. 801	Eng. Sci. Bldg. G-84 Troubleshooting	Ag, Annex Bldg. Pipe & Cable	Room 107 Whats New in	ay,
esday,	9:45 to 10:45 AM		Corrosion Mathematics and Electricity	Basic Electricity	Basic Electricity		ection	Potential Surveys and	Pipeline Coatings	and Standards	Data Interpretation	Internal Corrosion	National Association of Corrosion Engineers - Water	Cathodic Protection Rectifiers	Locating Buried Structures	Instrumentation	May
Ž	10.45 AM		Richard Row			Eing St. K	Ll awenn	Analysis	Jeff Didas	Lee Revnolds	Bill Deaton	Karen Benner	David Haines	Rectilers	Buried Structures	Dennie Carenza	21
	11:00 AM		Pipeline Locating	[f	Installation of Galvanic Anodes	Installation of Galvanic Anodes		Use of Instruments for Inspection of	Data Integration	Transmission Pipeline	Karen Benner Field Sampling and Testing	Understanding the Basics of Corrosion and Corrosion		Outdoor @ Agricultural Annex	Dennis Carenza Whats New in Anodes & Electrodes	
	Noon					Galvanic Anodes	Galvanic Anodes	۱	Pipeline Coatings		Repair Methods	and resting	Control			MRB 209	
			George Lomax	Tim Jenkins	Jim Bushman	Walt Young	Tom Conner	Kevin Parker	Bill Corbett	Elizabeth Nicholson	Rob Shoaf	Jason Rine	Tom Conner	C.M. Nelson	Jim Walton/Lou Pinto Dickey Scott	Dennis Carenza	
transforms protein Exhibits -Tuesday, May 21 - 11:00 PM & 5:00 PM - 8:00 PM - Shell Building																•	
	1:30 to		Fundamentals of Corrosion	Corrosion	Corrosion	Installation of Impressed Current	Installation of Impressed Current		Field Coating with Shrinkable Sleeves	ECDA Indirect Inspection Tools	Foreign Contacts & Pipe Fault Surveys	Pipe Inspection		Corrosion & Failure Analysis Electric	Impressed Current System	Whats New in Accessories	
	2:30 PM		0011031011	Fundamentals	Fundamentals	Cathodic Protection Systems	Cathodic Protection Systems	Continuation of Periods #1 & #2	Zamando oleoves	CIS	i ipo i dan carreys		Coatings 101	Towers and Grid	Hands-On Workshop		1
/ 21			Class runs to 3:10			lim Rurne	lim Sann	Kevin Parker	Jack Wink	Tim lankins	Mark Byerley		Jerry Holton	Dr Zamanzadah	Rectifier Theory	Periods 3, 4 & 5 1:30 PM - 5:00 PM	Tue
Мау	2:45 to		John Otto	i	r	Criteria For	Criteria For	Materials For	Field Applied Coatings	ECDA Indirect Inspection Tools	Planning & Executing a	Data Collection and Integration	Economics of Cathodic Protection	Understanding the Reference Cell	Output & Diagnostics On/Off CIS	- Salvina	Tuesday, May
Tuesday, I	3:45 PM		15 minute break			Cathodic Protection	Cathodic Protection	Cathodic Protection	Outdoor Clinic Comer	DCVG-ACVG Current Attenuation	Pipeline Rehabilitation				Interference Polarization		š
sen			Introduction to Cathodic	Dave Krause	John Fitzgerald				Amphitheater		Bill Deaton Cost Savings in	Ben Terrien Monitoring Techniques	Jim Bushman How to Provide Indefinite	Jim Diamond CP Test Stations	Outdoor @	Corrosion	ay 21
-	4:00 to 5:00 PM		Protection	Corrosion Control Methods	Corrosion Control Methods				(GRASSY KNOLL)		Integrity and GIS Collection	and Selection	Life in Metallic	The Good, The Bad, The Ugly	Agricultural Annex	Mathematics	
	0.00 1 111		Class starts at 3:25	incursos	metrous						GIO GOILLEADH		Transmission mans	The ogly	Lou Pinto / JimKulczyk	Tuesday, May 21 7:00 PM - 9:00 PM ESB Room G-83	Ì
		<u> </u>	Tom Williams	Hal George	Jim Bushman	Tim Jenkins	Roy Fultineer	George Krewson	John Williams	Jim Walton	Gord Parker	Ben Terrien	Ron Brown	Dr. Bop Phull	Rich McWilliams	Richard Row	Щ_
•	7 to 9 pm		Corrosion Mathematics - Tuesday, May 21 - 7:00 PM - 9:00 PM - ESB G83 - Richard Row														•
	8:30 to		Pipeline Electrical Isolation	Introduction to Pipeline Coatings	Introduction to Pipeline Coatings			Evaluation of Underground Coatings	Fusion Bonded Coatings and Mill Inspection	Inline Inspection Standards, Methods	AC Corrosion Issues	Chemical Treatment Do's and Don'ts	Corrosion Control for Water Treatment	Insulator Testing	ECDA Indirect Inspection		
22	9:30am		Methods			Corrosion Control for Pipelines	Corrosion Control for Pipelines	Using Aboveground Techniques	Techniques	and Tools			ans Storage Facilities		Field Simulation		1
May		<u> </u>	Joel McLawhorn Fundamental	Jim Utlev	Jerry Holton	ł	}	l	Bill Donald Critical Application	Mike Placzek AC Mitigation	Robert Allen Lightning & Over Voltage	Lvnsav Bensman Hydrates	Jim Bushman	Jav Keldsen Troubleshooting	ACVG-CIS-DCVG Current Attenuation		Ì
ay, n	9:45 to 10:45 AM		Introduction to Pipeline Coatings	Potential	Potential				Steps with Two-Part Epoxies		Over Voltage Protection for P/L		Installing CP in a Water Storage Tank	Distribution Systems			
esday,				Measurements	Measurements										Outdoor @	♣ Exhibits ♣	Wedner May 16
Wedn			Jeff Didas Fundamentals of		<u> </u>	Jim Larv Static Stray Current	Jim Dimond Static Stray Current	Kurt Lawson Dynamic Stray	Jeff Bertsche Coating Selection	Kevin Garrity Atmospheric Corrosion	Mike Tachick Decoupler Applications	John Bigler IC Management	Adam Freeman Corrosion - Its Causes,		Agricultural Annex	Wednesday, May 22	sday
>	11:00 AM Noon		Rectifier Monitoring			Interference testing	Interference testing	Current Analysis	for Underground Service	Integrity Management	& Considerations When Taking Instant-Off Reads	Do's and Don'ts	Effects and Precention for DIP Control of DIP			11:00 AM - 1:00 PM 5:00 PM to 6:30 PM	m
	1		Greg Alexander	Tim Jenkins	Mike Roberts	Jim Burns	Joel McLawhorn	John Fitzgerald	Jim Utlev	Mike Surkein	on a Decoupled P/L Mike Tachick	Rick Eckert	Allen Cox	Tom Williams	Jim Walton John Block/Dickey Scott	♣ Shell Blda ♣	ning
# 11 am to 1 pm 5 pm to 6:30 pm Exhibits - Wednesday, May 22 - 11:00 AM - 1:00 PM & 5:00 PM - 6:30 PM - Shell Building															•		
	1:30 to		Introduction to Pipe-to-Soil	Resistance	Resistance	Continuation	Continuation	Design of	Evaluation & Selection of Directional Drill	Difficult To	Technical Aspects of Close Interval	Impacts of Shale Gas	Water Main Condition	Coated Pipe	Onen	♥ Roundtable ♥	
	2:30 PM		Potential Measurements	Measurements	Measurements	of Period #8	of Period #8	Impressed Current Cathodic	Pipe Coatings	Pig Pipelines	Surveys-CIS	Shale Gas	Assessment Assessment	Assessment PHMSA Updates	Open Rain Date	W-dd	\$
y 22			measurements	Keith Parker	Kevin Parker	Jim Burns	Joel McLawhorn	Protection Systems	Mike Surkein		Robin Pawson	Roy Fitinger	Yaofu Zhang	Joe Mataich	Outdoor @ Agricultural Annex	Wednesday, May 22	edn
, May	2:45 to			Current Flow	Current Flow	Troubleshooting	Troubleshooting	f	Coating Failures Case Histories	1	Corrosion Control at M&R Stations	IC Roundtable	Corrosion Control	Guided Wave Technology for		7:00 PM - 9:00 PM -	sbse
nesday,	3:45 PM			Measurement	Measurement	Cathodic Protection Systems	Cathodic Protection Systems		Sust materials		and Delivery Facilities		Monitoring	Shorted Casings	Open	Min Res Bldg 113	, × ×
Jues		 	Mike Placzek	Workshop	Mark Linville			Kevin Garrity Design of Galvanic	Luke Clark Managing an	David Wint SCC	Joel McLawhorn Modern Tools for	IC Roundtable	Eric Lungelund	Joe Pikas Field Tests	Rain Date	Auditorium	Wednesday, May 22
Wedi	4:00 to 5:00 PM	4:00 to Agricultural Annex - Courtvard - Outdoor				I	Cathodic Protection Systems	Aboveground Coatings Program	Direct Inspection	Indirect Inspections for DA and Beyond	io nominable	Water Lines in Electric Rail Corridors, Corrosion and	for Shorted Casings	Outdoor @ Agricultural Annex	Kevin Garrity,	ĸ	
			Pinto-McWilliams-Block-Cairns-Scott-Girt-Roberts				1	- Cystellis			.s. s. a.u.u seyona	Benner Bensman, Fultineer,	Corrosion Control	Shortes Sasings	. groundid Added	-	ĺ
			Maufiald.Kule	ruk.Warner.Dierce.Stanleu.	Walker-Mollica	Jim Burns	John Otto	Jim Bushman	Kirk Wissmar	John Beavers	Jim Walton	Adams, Terrien	Stu Greenberger	John Block	l	Moderator	Щ.
*	7 to 9 pm			Record Keeping	Record Keeping	Rectifier	Roundtable - Wedr	esday, May 22 - 7:	00 PM - 9:00 PM Field Applied	Min Res Bldg Rm Corrosion Regulations	113 - Kevin Garri	ty, Moderator	Workshop	Advanced	Workshop		*
	8:30 to 9:30am		Voluntary Test Fundamentals	Record Reeping	Kecora Keeping	Maintenance	Maintenance	Inspection & Testing	Coatings Course 2	DOT/PHMSA Perspective	AC Interference Case History	IC Testing	Instrumentation & Measurement for	Rectifier Workshop	Instrumentation & Measurement for	Voluntary Testing	1
73	o.suam	1	Fundamentals Min. Resources	Tom Conner	Ralph Graeser	Jim Warner	Michael Tarlton	Kevin Garrity	Outdoor Clinic Comer	reispective	Mike Placzek	Rine. Benner	CP Systems:	**************************************	CP Systems:	resung	Ψ
Мау	9:45 to	i	Law Room 157			Voluntary Test Intermediate Engineering Science Building		Voluntary Test Advanced Law Building	Comer Grassy Knoll	i	CP Interference The Alternate	Outdoor Clinic- Hands-On of UC Tests Discussed in Period 2 Rine, Benner Outdoor Clinic	Continuation	Indoor Workshop Space Limited Please bring	Pipe-to-Soil Soil Resistivity Calibrate IR Drop Pipe/Cable Locate Pipe Inspection & Repair Technique Internal Corrosion	Basic Intermediate Advanced	Thursday, May 23
sday, I	9:45 to 10:45 AM	1									The Alternate Perspective Robin Pawson CP Monitoring						ay, I
ursc		 								Joe Mataich Assessment of							Мау
투	11:00 AM		Workshop	Room 1001 & 1021		Room G-102		Court Room		Assessment of Casing Filler Effectiveness	Via In-Line Inspection	Outdoor Clinic IC Testing	Continuation	Please bring meter to class	Internal Corrosion Assessment Methods	Periods 13 and 14	23
	Noon		outdoor @ Agricultural Annex						John Williams	Jim Warner	Dennis Janda	Rine, Benner	outdoor @ Agricultural Annex	C.M. Nelson	outdoor @ Agricultural Annex	13 aliu 14	ĺ
	Additional	conies of	this brochure r	nav he ohtained	from Daniello E	Potrak WVII Stat	tler College BO	Box 6070 Morga	ntown WV 265	6 Phone:304 20	3 4307 30000	mail www.adu					
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