



P. O. Box 801357, Santa Clarita, CA 91380
 Phone: 877.274.2422 (toll free)
 Fax: 661.775.7628
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Report No.	01		
Page	1	Of	4
Date	Monday	5-7-2012	
CSI Job No.:	212125		

Daily Coating Inspection Report (Concrete)

Project: Tiger Creek Adhesion Testing	Inspector: Tim Grady/ NACE # 4688
Client: Pacific Gas and Electric	Contractor: None Onsite
Client Contact: Ron Basques P.E.	Foreman: None Onsite

Environmental/Ambient Conditions

Time	Int	Ext	Location	DB (° F)	WB (° F)	ST (° F)	DP (° F)	RH (%)	Operation Underway	Weather
	<input type="checkbox"/>	<input type="checkbox"/>	None on this date						<input checked="" type="checkbox"/>	Wind <input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>							<input type="checkbox"/>	Fog <input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>							<input type="checkbox"/>	Rain <input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>							<input type="checkbox"/>	Cloudy <input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>							<input checked="" type="checkbox"/>	Sunny <input checked="" type="checkbox"/>

Surface Preparation

No.	Location of Work	Preparation		Initial Rust Grade					
		Spec.	Actual	Attribute	Sat	Unsat	N/A		
1	Hand Sand Test Locations for Application of Adhesion Dollies	<input type="checkbox"/> SP1	<input type="checkbox"/> SP1	Metal Porosity, Protrusion Free	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
2	Wipe Sanded Areas Prior to Application of Adhesion Dollies	<input type="checkbox"/> SP2	<input type="checkbox"/> SP2	Grease and Oil Removal	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
		<input type="checkbox"/> SP3	<input type="checkbox"/> SP3	Recycled Abrasive Vial Test	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
		<input type="checkbox"/> SP15	<input type="checkbox"/> SP15	White Blotter Test (time):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
		<input type="checkbox"/> SP11	<input type="checkbox"/> SP11	Cracks, Bugholes, Fins Removed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
		<input type="checkbox"/> SP7	<input type="checkbox"/> SP7	Visible Moisture on Surface	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/> SP14	<input type="checkbox"/> SP14	Dust Removal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
		<input type="checkbox"/> SP6	<input type="checkbox"/> SP6	Clean and Dry Abrasive	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
		<input type="checkbox"/> SP10	<input type="checkbox"/> SP10	Magnetic Base Reading (mils): <i>N/A</i>					
		<input type="checkbox"/> SP5	<input type="checkbox"/> SP5	Compressor/Pump Pressure (psi): <i>N/A</i>					
		<input type="checkbox"/> SP12	<input type="checkbox"/> SP12	Abrasive (type and size): <i>200 Grit Sand Paper</i>					
		<input type="checkbox"/> SP13	<input type="checkbox"/> SP13	Substrate Moisture Content: <i>N/A</i>					
		Other:			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
		Other:			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Surface Profile		Actual		Soluble Salt Testing					
Spec (mils)	Avg (mils)	Range (mils)		Location	Spec (µg/cm²)	Actual (µg/cm²)	Sat	Unsat	N/A
N/A	N/A	N/A to N/A		N/A	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments CSI Services Inspector (Tim Grady) arrived at the Tiger Creek Power Plant location in Pioneer California as per our client's direction. CSI Services met with the PG & E contact Ron Basques P.E. at the Power Plant office, CSI Services followed Mr. Basques up the mountain to the testing location at Station 337 + 36. The water trough was supposed to be dry due to an outage but there is about 6 inches of water on the floor of the trough. CSI Services hand sanded the test locations with 200 grit sand paper and then wiped with clean rag to remove the sanding dust, the 5 minute epoxy was mixed as per the manufactures directions and the Adhesion Dollies were set and taped to hold them in place on the wall surfaces during the cure process. Locations were labeled as follows see page 2 for list of locations.

	5-7-2012	QC Report Review				5-16-2012
Inspector Signature	Date	Satisfactory <input checked="" type="checkbox"/>	Incomplete <input type="checkbox"/>	Corrected <input type="checkbox"/>	Reviewer Signature	Date

The information reported was obtained using visual observations and testing believed to be accurate. The information reported represents the data obtained from the specific representative areas inspected, tested, and/or verified.



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Date	Monday	5-7-2012	
CSI Job No.:	212125		

Project: **Tiger Creek Adhesion Testing** Inspector: **Tim Grady/ NACE # 4688**

Coating	<input type="checkbox"/> Resurfacer	<input type="checkbox"/> Sealant	<input type="checkbox"/> Paint	<input type="checkbox"/> Lining	<input type="checkbox"/> Caulking	<input type="checkbox"/> Other:						
Manufacturer	Product Name	Thinner Name	Shelf Life (Mnth)	% Thinner Added		Coating Temp (F°)	Mixing		Induction Time	Pot Life	All Mixes Witnessed	
				Spec	Actual		Start	Stop			<input type="checkbox"/> Yes	<input type="checkbox"/> No
											<input type="checkbox"/> Yes	<input type="checkbox"/> No
											<input type="checkbox"/> Yes	<input type="checkbox"/> No
											<input type="checkbox"/> Yes	<input type="checkbox"/> No

Mixing	Component Batch Identification													
Mix No.	Product	Quantity	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C

Application	Color:	Application Start:	Application Stop:			
No.	Location of Work	Equipment	Attribute	Sat	Unsat	N/A
1	Glue (9) Adhesion Dollies onto Concrete Walls of Trough	Brush <input type="checkbox"/>	Protective Coverings	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Roller <input type="checkbox"/>	Surrounding Air Cleanliness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Conventional <input type="checkbox"/>	White Blotter Test (time):	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Airless <input type="checkbox"/>	Intercoat Cleanliness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Plural Component <input type="checkbox"/>	Recoat Time Min/Max	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		HVLP <input type="checkbox"/>	Pot Agitation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Trowel <input type="checkbox"/>	Stripe coat	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Flock <input type="checkbox"/>	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Other: <input type="checkbox"/>	Wet Film Thickness (Mils)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Other: <input type="checkbox"/>	Spec: Actual:			<input checked="" type="checkbox"/>

Comments: The applied coating on the walls and floor is CT-T 301-03 Warren Epoxy Manufacture, applied by Certified Coatings. Mr. Basques stated that the required mil thickness was 60-80 mils but that was not achieved due to not having the correct material on hand during the application evolution. There is evidence of bug holes that were not filled and some outgassing from the application during inclining temperatures. The test location is approximately 100 feet long by 10 foot high walls. The test locations have new coating applied over existing Coal Tar material.

Test Locations are as follows:

- 1: No Surface Preparation (2) Adhesion Dollies on wall, as per client request.
- 2: Light wash low pressure and Saw Cut into Concrete Substrate 3/8 Deep 12 inch on center, (1) Adhesion Dolly on wall.
- 3: 6000 PSI Water Wash on Concrete Coated Walls (6) Adhesion Dollies along wall.

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Project: **Tiger Creek Adhesion Testing** Inspector: **Tim Grady/ NACE # 4688**

Final Inspection		<input type="checkbox"/> Prime			<input type="checkbox"/> Intermediate		<input type="checkbox"/> Midcoat			<input type="checkbox"/> Top/Finish		
No.	Location	Dry Film Thickness			Visual		Holiday Detection				Adhesion (ASTM D)	
		Spec	Actual		Sat	Unsat	Voltage:			3359	6677	4541
			Avg	Range			N/A	Sat	Unsat	Remaining Holidays	PSI/ Rating	Cohesive/Ahesive
					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

Miscellaneous		Instruments		Visitors to the Site	
Type	Serial No.	Name	Company		
Sling Psychrometer					
Surface Temperature Gage					
Spring Micrometer					
Surface Comparator <input type="checkbox"/> S, <input type="checkbox"/> GS, <input type="checkbox"/> SH					
Windometer					
Positector 6000					
Calibration Plate					
Holiday Detector <input type="checkbox"/> M1, <input type="checkbox"/> AP, <input type="checkbox"/> AP/W					
Moisture Meter					
Salt Contamination Kit					
Elcometer Adhesion Pull Tester					
Other:					

Comments: **See photos on page #4.**



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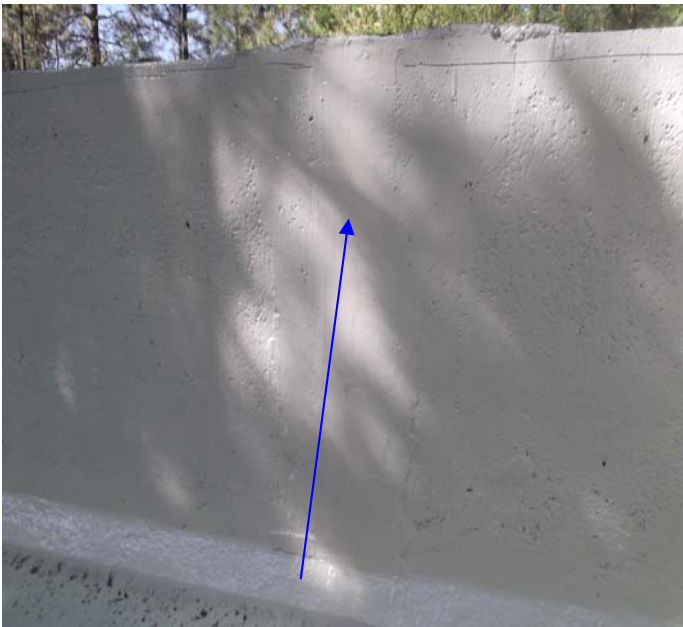
Photo Log



Figure#1: Example of Bug Holes Not Filled with Coating.



Figure#2: Example of Adhesion Test Dolly Set and Labeled.



Figure#3: Expansion Joint Treatment Inside Trough.



Figure#4: Overview of Adhesion Test Location Station 337+36.



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Date	Wednesday	5-9-2012	
CSI Job No.:		212125	

Daily Coating Inspection Report (Concrete)

Project: Tiger Creek Adhesion Testing		Inspector: Tim Grady/ NACE # 4688	
Client: Pacific Gas and Electric		Contractor: None	
Client Contact: Ron Basques P.E.		Foreman: None	

Environmental/Ambient Conditions

Time	Int	Ext	Location	DB (° F)	WB (° F)	ST (° F)	DP (° F)	RH (%)	Operation Underway	Weather
0800	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Tiger Creek Canal Station 337 + 36	63	50	57	37	38%	Testing	Wind <input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>								Fog <input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>								Rain <input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>								Cloudy <input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>								Sunny <input checked="" type="checkbox"/>

Surface Preparation

No.	Location of Work	Preparation		Initial Rust Grade						
		Spec.	Actual	Attribute			A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
1	Sand and Wipe Test Locations for Glue Application for Adhesion Testing	<input type="checkbox"/> SP1	<input checked="" type="checkbox"/> SP1	Metal Porosity, Protrusion Free			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/> SP2	<input checked="" type="checkbox"/> SP2	Grease and Oil Removal			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/> SP3	<input type="checkbox"/> SP3	Recycled Abrasive Vial Test			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/> SP15	<input type="checkbox"/> SP15	White Blotter Test (time):			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/> SP11	<input type="checkbox"/> SP11	Cracks, Bugholes, Fins Removed			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/> SP7	<input type="checkbox"/> SP7	Visible Moisture on Surface			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/> SP14	<input type="checkbox"/> SP14	Dust Removal			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/> SP6	<input type="checkbox"/> SP6	Clean and Dry Abrasive			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/> SP10	<input type="checkbox"/> SP10	Magnetic Base Reading (mils): N/A						
		<input type="checkbox"/> SP5	<input type="checkbox"/> SP5	Compressor/Pump Pressure (psi): N/A						
		<input type="checkbox"/> SP12	<input type="checkbox"/> SP12	Abrasive (type and size): 100 Grit Sand Paper						
		<input type="checkbox"/> SP13	<input type="checkbox"/> SP13	Substrate Moisture Content: N/A						
		<input type="checkbox"/> Other:					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
		<input type="checkbox"/> Other:					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Surface Profile		Actual		Soluble Salt Testing						
Spec (mils)		Avg (mils)	Range (mils)	Location	Spec (µg/cm²)	Actual (µg/cm²)	Sat	Unsat	N/A	
N/A		N/A	N/A to N/A	N/A	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Comments CSI Services Inspector (Tim Grady) arrived at the Tiger Creek PG&E Power Plant office as per our client's request for the Adhesion Test on the walls of the canal at Station 337+36 locations were the dummies were glued on 5-8-2012. CSI Services was taken back up the mountain to the work location and the Adhesion Pull Test was conducted. All of the adhesion dummies were pulled off with glue failure at the dummies due to inspector not preparing the adhesion dummy correctly prior to the gluing process. When CSI Services inspector discovered that there was a problem discussion with CSI Services office the decision was made to re glue the adhesion dummies on the coated walls after correctly preparing the dummies.

	5-9-2012	QC Report Review				5-16-2012
Inspector Signature	Date	Satisfactory <input checked="" type="checkbox"/>	Incomplete <input type="checkbox"/>	Corrected <input type="checkbox"/>	Reviewer Signature	Date

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CSI Job No.:	212125		

Project: **Tiger Creek Adhesion Testing** Inspector: **Tim Grady/ NACE # 4688**

Coating												<input type="checkbox"/> Resurfacer	<input type="checkbox"/> Sealant	<input type="checkbox"/> Paint	<input type="checkbox"/> Lining	<input type="checkbox"/> Caulking	<input checked="" type="checkbox"/> Other:
Manufacturer	Product Name	Thinner Name	Shelf Life (Mnth)	% Thinner Added		Coating Temp (F°)	Mixing		Induction Time	Pot Life	All Mixes Witnessed						
				Spec	Actual		Start	Stop			<input type="checkbox"/> Yes	<input type="checkbox"/> No					
Devcon	5 minute epoxy glue										<input type="checkbox"/> Yes	<input type="checkbox"/> No					
											<input type="checkbox"/> Yes	<input type="checkbox"/> No					
											<input type="checkbox"/> Yes	<input type="checkbox"/> No					

Mixing			Component Batch Identification											
Mix No.	Product	Quantity	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C

Application			Color:	Application Start:	Application Stop:	
No.	Location of Work	Equipment	Attribute	Sat	Unsat	N/A
	Glue adhesion dollies on the new coating (Round 2)	Brush <input type="checkbox"/>	Protective Coverings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Roller <input type="checkbox"/>	Surrounding Air Cleanliness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Conventional <input type="checkbox"/>	White Blotter Test (time):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Airless <input type="checkbox"/>	Intercoat Cleanliness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Plural Component <input type="checkbox"/>	Recoat Time Min/Max	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		HVLP <input type="checkbox"/>	Pot Agitation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Trowel <input type="checkbox"/>	Stripe coat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Flock <input type="checkbox"/>	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Other: <input type="checkbox"/>	Wet Film Thickness (Mils)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Other: <input type="checkbox"/>	Spec: Actual:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments: CSI Services inspector sanded the adhesion dollies with 100 grit sand paper to give the dolly a proper prepared surface for the glue to be applied to, the dollies were then cleaned with Xylene to assure a clean surface for the Devcon 5 minute epoxy to be applied to. The test locations on the new coating was sanded with 100 grit sand paper and then wiped with Xylene to assure the sanded surface was dust free for the application of the dollies with the Devcon glue. When the cleaning and application of the dollies was completed the adhesion dollies were taped to assure they would not move during the glue curing process. CSI Services made arrangements with the PG&E contact to return to the canal on Friday 5-11-2012 to conduct the adhesion testing. CSI Services inspector drove off the mountain and headed to the office to compile the daily inspection report.



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CSI Job No.:	212125		

Project: **Tiger Creek Adhesion Testing** Inspector: **Tim Grady/ NACE # 4688**

Final Inspection		<input type="checkbox"/> Prime			<input type="checkbox"/> Intermediate		<input type="checkbox"/> Midcoat			<input type="checkbox"/> Top/Finish		
No.	Location	Dry Film Thickness			Visual		Holiday Detection				Adhesion (ASTM D)	
		Spec	Actual		Sat	Unsat	Voltage:			3359	6677	4541
			Avg	Range					N/A	Sat	Unsat	Remaining Holidays
					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

Miscellaneous		Instruments		Visitors to the Site	
Type	Serial No.	Name	Company		
Sling Psychrometer	9001526				
Surface Temperature Gage	000675359				
Spring Micrometer					
Surface Comparator <input type="checkbox"/> S, <input type="checkbox"/> GS, <input type="checkbox"/> SH					
Windometer					
Positector 6000					
Calibration Plate					
Holiday Detector <input type="checkbox"/> M1, <input type="checkbox"/> AP, <input type="checkbox"/> AP/W					
Moisture Meter					
Salt Contamination Kit					
Elcometer Adhesion Pull Tester					
Other:					

Comments: See photos on page #4.

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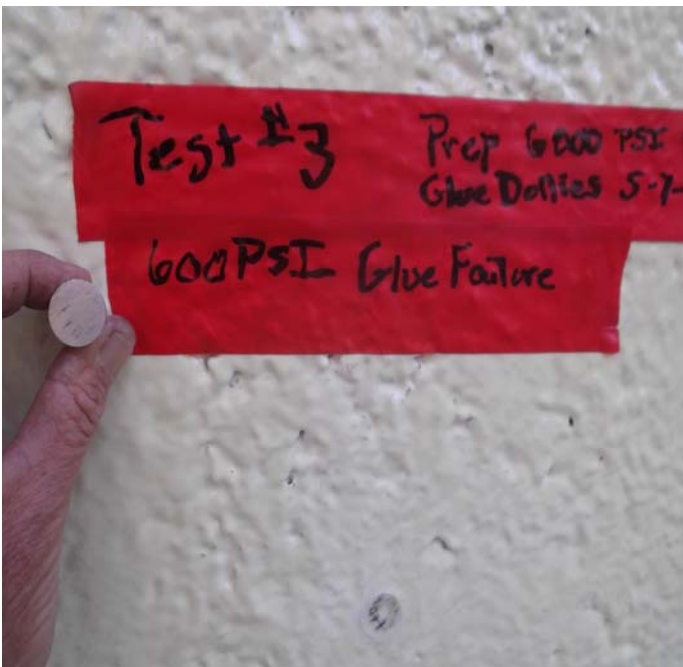
Photo Log



Figure#1: Example of Adhesion Dolly with Incorrect Prep.



Figure#2: Example of Scored Adhesion Dolly on Coating.



Figure#3: Another Example of Dolly Glue Failure.



Figure#4: Scored Dolly Failure at Dolly to Glue.



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CSI Job No.:	212125		

Daily Coating Inspection Report (Concrete)

Project: Tiger Creek Adhesion Testing	Inspector: Tim Grady/ NACE # 4688
Client: Pacific Gas and Electric	Contractor: None
Client Contact: Ron Basques P.E.	Foreman:

Environmental/Ambient Conditions

Time	Int	Ext	Location	DB (° F)	WB (° F)	ST (° F)	DP (° F)	RH (%)	Operation Underway	Weather
0700	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Tiger Creek Cannel Station 337+36	62	49	58	36	39%	Adhesion Testing	Wind <input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>								Fog <input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>								Rain <input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>								Cloudy <input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>								Sunny <input checked="" type="checkbox"/>

Surface Preparation

No.	Location of Work	Preparation		Initial Rust Grade									
		Spec.	Actual	Attribute		Sat	Unsat	N/A					
	None on this date												
		<input type="checkbox"/> SP1	<input type="checkbox"/> SP1	Metal Porosity, Protrusion Free		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
		<input type="checkbox"/> SP2	<input type="checkbox"/> SP2	Grease and Oil Removal		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
		<input type="checkbox"/> SP3	<input type="checkbox"/> SP3	Recycled Abrasive Vial Test		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
		<input type="checkbox"/> SP15	<input type="checkbox"/> SP15	White Blotter Test (time):		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
		<input type="checkbox"/> SP11	<input type="checkbox"/> SP11	Cracks, Bugholes, Fins Removed		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
		<input type="checkbox"/> SP7	<input type="checkbox"/> SP7	Visible Moisture on Surface		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
		<input type="checkbox"/> SP14	<input type="checkbox"/> SP14	Dust Removal		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
		<input type="checkbox"/> SP6	<input type="checkbox"/> SP6	Clean and Dry Abrasive		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
		<input type="checkbox"/> SP10	<input type="checkbox"/> SP10	Magnetic Base Reading (mils): N/A									
		<input type="checkbox"/> SP5	<input type="checkbox"/> SP5	Compressor/Pump Pressure (psi): N/A									
		<input type="checkbox"/> SP12	<input type="checkbox"/> SP12	Abrasive (type and size): N/A									
		<input type="checkbox"/> SP13	<input type="checkbox"/> SP13	Substrate Moisture Content: N/A									
		<input type="checkbox"/> Other:				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
		<input type="checkbox"/> Other:				<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
		Surface Profile		Soluble Salt Testing									
Spec (mils)	Actual		Location	Spec (µg/cm²)	Actual (µg/cm²)	Sat	Unsat	N/A					
	Avg (mils)	Range (mils)											
N/A	N/A	N/A to N/A	N/A	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					

Comments CSI Services Inspector (Tim Grady) arrived back at the Tiger Creek PG&E site in Pioneer California for the Adhesion Testing on Station 337+36 dolies that were glued onto the new applied coating on the walls of a 100 foot section. CSI Services monitored the environmental conditions at the adhesion test site with the results shown above. The adhesion testing was conducted as per ASTM D 7234-05 with the results shown on page #2.

	5-11-2012	QC Report Review				5-16-2012
Inspector Signature	Date	Satisfactory <input checked="" type="checkbox"/>	Incomplete <input type="checkbox"/>	Corrected <input type="checkbox"/>	Reviewer Signature	Date

The information reported was obtained using visual observations and testing believed to be accurate. The information reported represents the data obtained from the specific representative areas inspected, tested, and/or verified.



P. O. Box 801357, Santa Clarita, CA 91380
 Phone: 877.274.2422 (toll free)
 Fax: 661.775.7628
www.CSIServices.biz

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Project: **Tiger Creek Adhesion Testing** Inspector: **Tim Grady/ NACE # 4688**

Coating											<input type="checkbox"/> Resurfacer	<input type="checkbox"/> Sealant	<input type="checkbox"/> Paint	<input type="checkbox"/> Lining	<input type="checkbox"/> Caulking	<input type="checkbox"/> Other:
Manufacturer	Product Name	Thinner Name	Shelf Life (Mnth)	% Thinner Added		Coating Temp (F°)	Mixing		Induction Time	Pot Life	All Mixes Witnessed					
				Spec	Actual		Start	Stop			<input type="checkbox"/> Yes	<input type="checkbox"/> No				
											<input type="checkbox"/> Yes	<input type="checkbox"/> No				
											<input type="checkbox"/> Yes	<input type="checkbox"/> No				
											<input type="checkbox"/> Yes	<input type="checkbox"/> No				

Mixing			Component Batch Identification											
Mix No.	Product	Quantity	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C

Application		Color:	Application Start:	Application Stop:			
No.	Location of Work	Equipment	Attribute	Sat	Unsat	N/A	
		Brush <input type="checkbox"/>	Protective Coverings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Roller <input type="checkbox"/>	Surrounding Air Cleanliness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Conventional <input type="checkbox"/>	White Blotter Test (time):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Airless <input type="checkbox"/>	Intercoat Cleanliness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Plural Component <input type="checkbox"/>	Recoat Time Min/Max	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		HVLP <input type="checkbox"/>	Pot Agitation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Trowel <input type="checkbox"/>	Stripe coat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Flock <input type="checkbox"/>	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Other: <input type="checkbox"/>	Wet Film Thickness (Mils)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Other: <input type="checkbox"/>	Spec: Actual:				

Comments: Adhesion Test Results:

- Site #1: Prep Water Wash (Low Pressure) and Saw Cuts, No Score on Dolly 600 PSI, Adhesive Failure.
- Site #1 A: Prep Water Wash (Low Pressure) and Saw Cuts, No Score on Dolly 450 PSI Adhesive Failure.
- Site #2: Prep 6000 PSI Water Wash, No Score on Dolly 850 PSI Adhesive Failure.
- Site #3: Prep 6000 PSI Water Wash, No Score on Dolly 400 PSI Adhesive Failure.
- Site #4: Prep 6000 PSI Water Wash, Adhesion Dolly Scored 600 PSI Adhesive Failure.
- Site #5: Prep 6000 PSI Water Wash, Adhesion Dolly Scored 750 PSI Coating Failed to Coal Tar.
- Site #6: Prep 6000 PSI Water Wash, Adhesion Dolly Scored 750 PSI Coating Failed to Coal Tar.
- Site #7: Prep 6000 PSI Water Wash, No Score on Dolly 800 PSI Coating Failure to Coal Tar.
- Site #8: Prep None 475 PSI No Score on Dolly Adhesive Failure.

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Project: **Tiger Creek Adhesion Testing** Inspector: **Tim Grady/ NACE # 4688**

Final Inspection		<input type="checkbox"/> Prime			<input type="checkbox"/> Intermediate		<input type="checkbox"/> Midcoat		<input type="checkbox"/> Top/Finish			
No.	Location	Dry Film Thickness			Visual		Holiday Detection				Adhesion (ASTM D)	
		Spec	Actual		Sat	Unsat	Voltage:			Remaining Holidays	3359	6677
Avg	Range		N/A	Sat			Unsat	PSI/ Rating	Cohesive/Ahesive			
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

Miscellaneous		Instruments		Visitors to the Site	
Type	Serial No.	Name	Company		
Sling Psychrometer	9001526				
Surface Temperature Gage	000675359				
Spring Micrometer					
Surface Comparator <input type="checkbox"/> S, <input type="checkbox"/> GS, <input type="checkbox"/> SH					
Windometer					
Positector 6000					
Calibration Plate					
Holiday Detector <input type="checkbox"/> M1, <input type="checkbox"/> AP, <input type="checkbox"/> AP/W					
Moisture Meter					
Salt Contamination Kit					
Elcometer Adhesion Pull Tester					
Other:					

Comments: **CSI Services headed back to the office to compile the daily inspection report.**

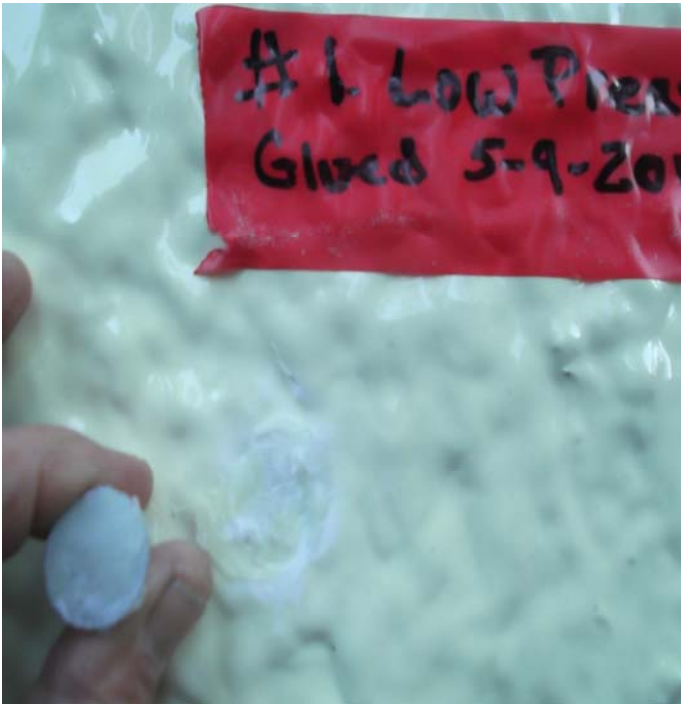
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Photo Log



Figure#1: Site#1, Adhesive Failure at 450 PSI.



Figure#2: Example of Scored Dolly Site#5 750 PSI Adhesive.



Figure#3: Site #6 Scored Dolly, 750 PSI Coating Failure.



Figure#4: Site #7, No Score 800 PSI Coating Failure.