Attachment E – Storm Water Inspection Reports & Checklists

Walnut Creek Energy Park

Storm Water Pollution Prevention Plan

Monthly SWPPP Report – March 2013

Summary:

Under the California Regional Water Quality Control Board's NPDES General Construction Permit, the following memorandum summarizes the activities, inspections, and actions taken by Kiewit Power Constructors Co. to maintain full compliance with the provisions of the Storm Water Pollution Prevention Plan.

Steps taken to ensure full compliance with the General Construction Permit were taken as needed during the month. Dust control measures such as outside runs by the water truck were performed. Regular site inspections were performed and documented on a weekly basis, with additional non-recorded site walks occurring on average, once per week in addition to documented site walks. Although the General Permit only requires quarterly reports for non-visible pollutants, Kiewit included inspections for non-visible pollutants in our weekly inspections as well as in our pre, mid and post event inspections.

February Inspections:

Weekly Inspections					
Date	**Type**	**Inspector**	**Chance of Rain (%)**	**Sampling Req'd?**	**Changes Needed to SWPPP Plan**
7 March 2013	Weekly	Rick Warner	20%	No	N/A
20 March 2013	Weekly	Rick Warner	0%	No	N/A
27 March 2013	Weekly	Rick Warner	0%	No	N/A

Rain Event Inspections					
Date	**Type**	**Inspector**	**Rain Fall (in)**	**Sampling Req'd?**	**Breaches or Corrective Action?**
7 March 2013	Pre-Storm	Rick Warner	0"	No	Additional rumble strips added at the site entrance; additional gravel bags around storm drain inlets

SWPPP Maintenance:

Regular maintenance of the BMPs on-site is a condition of the General Permit. During the weekly inspections, items observed to require maintenance or replacement were corrected immediately. No discharges were observed due to breaches in the BMPs.

Rain Events:

There was one observed precipitation day in the month of March, which did not qualify as a rain event.

SWPPP Amendments:

N/A

SWPPP Updates:

N/A

Appendix G **BMP Checklists and Inspection Forms**

BMP INSPECTION REPORT

Date and Time of Inspection: 3-7-13 @ 4:16 pm			Date Report Written:	
Inspection Type: (Circle one)	Weekly *Complete Parts I,II,III and VII*	Pre-Storm *Complete Parts I,II,III,IV and VII*	During Rain Event *Complete Parts I, II, III, V, and VII*	Post-Storm *Complete Parts I,II,III,VI and VII*

Part I. General Information

Site Information

Construction Site Name: Walnut Creek Energy Park			
Construction stage and completed activities: Start Up Unit 5, Trenching Cameras			Approximate area of site that is exposed: 50'
Photos Taken: (Circle one)	Yes	No	Photo Reference IDs: N/A.

Weather

Estimate storm beginning: (date and time) 3-7-13 @ 11:00 pm	Estimate storm duration: (hours) 24 hrs
Estimate time since last storm: (days or hours) 12 hrs	Rain gauge reading and location: (in)

Is a "Qualifying Event" predicted or did one occur (i.e., 0.5" rain with 48-hrs or greater between events)? (Y/N)
If yes, summarize forecast:

Exemption Documentation (explanation required if inspection could not be conducted). Visual inspections are not required outside of business hours or during dangerous weather conditions such as flooding or electrical storms.

Inspector Information

Inspector Name: Rich Warter	Inspector Title: Proc/Materials/Envir. Manager
Signature:	Date: 3/7/13.

Part II. BMP Observations. Describe any deficiencies in Part III.			
Minimum BMPs for Risk Level 1 Sites	Adequately designed, implemented and effective (yes, no, N/A)	Action Required (yes/no)	Action Implemented (Date)
Good Housekeeping for Construction Materials			
Inventory of products (excluding materials designed to be outdoors)	Yes	NO	
Stockpiled construction materials not actively in use are covered and bermed	Yes	NO	
All chemicals are stored in watertight containers with appropriate secondary containment, or in a completely enclosed storage shed	Yes	NO	
Construction materials are minimally exposed to precipitation	Yes	No	
BMPs preventing the off-site tracking of materials are implemented and properly effective	Yes	NO	
Good Housekeeping for Waste Management			
Wash/rinse water and materials are prevented from being disposed into the storm drain system	Yes	NO	
Portable toilets are contained to prevent discharges of waste	Yes	NO	
Sanitation facilities are clean and with no apparent for leaks and spills	Yes	NO	
Equipment is in place to cover waste disposal containers at the end of business day and during rain events	Yes	NO	
Discharges from waste disposal containers are prevented from discharging to the storm drain system / receiving water	Yes	NO	
Stockpiled waste material is securely protected from wind and rain if not actively in use	Yes	NO	
Procedures are in place for addressing hazardous and non-hazardous spills	Yes	NO	
Appropriate spill response personnel are assigned and trained	Yes	NO	
Equipment and materials for cleanup of spills is available on site	Yes	No	
Washout areas (e.g., concrete) are contained appropriately to prevent any discharge or infiltration into the underlying soil	Yes	No	
Good Housekeeping for Vehicle Storage and Maintenance			
Measures are in place to prevent oil, grease, or fuel from leaking into the ground, storm drains, or surface waters	Yes	NO	
All equipment or vehicles are fueled, maintained, and stored in a designated area with appropriate BMPs	Yes	No	
Vehicle and equipment leaks are cleaned immediately and disposed of properly	Yes	No	

Part II. BMP Observations Continued. Describe any deficiencies in Part III.			
Minimum BMPs for Risk Level 1 Sites	Adequately designed, implemented and effective (yes, no, N/A)	Action Required (yes/no)	Action Implemented (Date)
Good Housekeeping for Landscape Materials			
Stockpiled landscape materials such as mulches and topsoil are contained and covered when not actively in use	Yes	No	
Erodible landscape material has not been applied 2 days before a forecasted rain event or during an event	Yes	No	
Erodible landscape materials are applied at quantities and rates in accordance with manufacturer recommendations	Yes	No	
Bagged erodible landscape materials are stored on pallets and covered	N/A		
Good Housekeeping for Air Deposition of Site Materials			
Good housekeeping measures are implemented on site to control the air deposition of site materials and from site operations	Yes	No	
Non-Stormwater Management			
Non-stormwater discharges are properly controlled	Yes	No	
Vehicles are washed in a manner to prevent non-stormwater discharges to surface waters or drainage systems	N/A		
Streets are cleaned in a manner to prevent unauthorized non-stormwater discharges to surface waters or drainage systems.	Yes	No	
Erosion Controls			
Wind erosion controls are effectively implemented	Yes	No	
Effective soil cover is provided for disturbed areas inactive (i.e., not scheduled to be disturbed for 10 days per CEC requirements / 14 days per CGP requirements) as well as finished slopes, open space, utility backfill, and completed lots	Yes	No	
The use of plastic materials is limited in cases when a more sustainable, environmentally friendly alternative exists.	Yes	No	
Sediment Controls			
Perimeter controls are established and effective at controlling erosion and sediment discharges from the site	Yes	No	
Entrances and exits are stabilized to control erosion and sediment discharges from the site	No	Yes	Sweeper
Sediment basins are properly maintained	Yes	No	
Limit construction activity to and from site to entrances and exits that employ effective controls to prevent offsite tracking	Yes	No	
Ensure all storm, drain inlets and perimeter controls, runoff control BMPs and pollutants controls at entrances and exits	Yes	No.	

are maintained and protected from activities the reduce their effectiveness			
Inspect all immediate access roads daily	Yes	No	
Run-On and Run-Off Controls			
Run-on to the site is effectively managed and directed away from all disturbed areas.	Yes	No	
Other			
Are the project SWPPP and BMP plan up to date, available on-site and being properly implemented?	Yes	No	

Part III. Descriptions of Any BMP Deficiencies

Deficiency	Repairs Implemented: Note - Repairs must begin within 72 hours of identification.	
	Start Date	**Action**
1. Drive Way - Into plant	3/7/13.	Pour new curb/Drive way Sweeper, will be on site
2.		Also, Dirt activites will not be on site.
3.		
4.		

Part IV. Additional Pre-Storm Observations. Note the presence or absence of floating and suspended materials, sheen, discoloration, turbidity, odors, and source(s) of pollutants(s).

	Yes, No, N/A
Do stormwater storage and containment areas have adequate freeboard? If no, complete Part III.	Yes
Are drainage areas free of spills, leaks, or uncontrolled pollutant sources? If no, complete Part VII and describe below.	Yes
Notes:	
Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and describe below.	Yes
Notes:	

Part V. Additional During Storm Observations. If BMPs cannot be inspected during inclement weather, list the results of visual inspections at all relevant outfalls, discharge points, and downstream locations. Note odors or visible sheen on the surface of discharges. Complete Part VII (Corrective Actions) as needed.	
Outfall, Discharge Point, or Other Downstream Location	
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description

Part VI. Additional Post-Storm Observations. Visually observe (inspect) stormwater discharges at all discharge locations within two business days (48 hours) after each qualifying rain event, and observe (inspect) the discharge of stored or contained stormwater that is derived from and discharged subsequent to a qualifying rain event producing precipitation of ½ inch or more at the time of discharge. Complete Part VII (Corrective Actions) as needed.

Discharge Location, Storage or Containment Area	Visual Observation

Part VII. Additional Corrective Actions Required. Identify any additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.

Required Actions	Implementation Date
N/A.	

Appendix G **BMP Checklists and Inspection Forms**

BMP INSPECTION REPORT

Date and Time of Inspection: 3/11/13 @ 9:00am		Date Report Written: 3/11/13		
Inspection Type: (Circle one)	Weekly *Complete Parts I,II,III and VII*	Pre-Storm *Complete Parts I,II,III,IV and VII*	During Rain Event *Complete Parts I, II, III, V, and VII*	Post-Storm *Complete Parts I,II,III,VI and VII*

Part I. General Information

Site Information

Construction Site Name: Walnut Creek			
Construction stage and completed activities: DeMob Unit 5 Start-Up			Approximate area of site that is exposed: 0%
Photos Taken: (Circle one)	Yes	No	Photo Reference IDs: N/A

Weather

Estimate storm beginning: (date and time) N/A	Estimate storm duration: (hours) N/A
Estimate time since last storm: (days or hours) N/A	Rain gauge reading and location: (in) N/A

Is a "Qualifying Event" predicted or did one occur (i.e., 0.5" rain with 48-hrs or greater between events)? (Y/N)
If yes, summarize forecast:
N/A

Exemption Documentation (explanation required if inspection could not be conducted). Visual inspections are not required outside of business hours or during dangerous weather conditions such as flooding or electrical storms.

Inspector Information

Inspector Name: Rich Wagner	Inspector Title: Proj. Mgr / Enviro.
Signature:	Date: 3/11/12

Part II. BMP Observations. Describe any deficiencies in Part III.			
Minimum BMPs for Risk Level 1 Sites	Adequately designed, implemented and effective (yes, no, N/A)	Action Required (yes/no)	Action Implemented (Date)
Good Housekeeping for Construction Materials			
Inventory of products (excluding materials designed to be outdoors)	Yes	No	
Stockpiled construction materials not actively in use are covered and bermed	Yes	No	
All chemicals are stored in watertight containers with appropriate secondary containment, or in a completely enclosed storage shed	Yes	No	
Construction materials are minimally exposed to precipitation	Yes	No	
BMPs preventing the off-site tracking of materials are implemented and properly effective	Yes	No	
Good Housekeeping for Waste Management			
Wash/rinse water and materials are prevented from being disposed into the storm drain system	Yes	No	
Portable toilets are contained to prevent discharges of waste	Yes	No	
Sanitation facilities are clean and with no apparent for leaks and spills	Yes	No	
Equipment is in place to cover waste disposal containers at the end of business day and during rain events	Yes	No	
Discharges from waste disposal containers are prevented from discharging to the storm drain system / receiving water	Yes	No	
Stockpiled waste material is securely protected from wind and rain if not actively in use	Yes	No	
Procedures are in place for addressing hazardous and non-hazardous spills	Yes	No	
Appropriate spill response personnel are assigned and trained	Yes	No	
Equipment and materials for cleanup of spills is available on site	Yes	No	
Washout areas (e.g., concrete) are contained appropriately to prevent any discharge or infiltration into the underlying soil	Yes	No	
Good Housekeeping for Vehicle Storage and Maintenance			
Measures are in place to prevent oil, grease, or fuel from leaking into the ground, storm drains, or surface waters	Yes	No	
All equipment or vehicles are fueled, maintained, and stored in a designated area with appropriate BMPs	Yes	No	
Vehicle and equipment leaks are cleaned immediately and disposed of properly	Yes	No	

Part II. BMP Observations Continued. Describe any deficiencies in Part III.			
Minimum BMPs for Risk Level 1 Sites	Adequately designed, implemented and effective (yes, no, N/A)	Action Required (yes/no)	Action Implemented (Date)
Good Housekeeping for Landscape Materials			
Stockpiled landscape materials such as mulches and topsoil are contained and covered when not actively in use	Yes	No	
Erodible landscape material has not been applied 2 days before a forecasted rain event or during an event	Yes	No	
Erodible landscape materials are applied at quantities and rates in accordance with manufacturer recommendations	Yes	No	
Bagged erodible landscape materials are stored on pallets and covered	N/A		
Good Housekeeping for Air Deposition of Site Materials			
Good housekeeping measures are implemented on site to control the air deposition of site materials and from site operations	Yes	No	
Non-Stormwater Management			
Non-stormwater discharges are properly controlled	Yes	No	
Vehicles are washed in a manner to prevent non-stormwater discharges to surface waters or drainage systems	N/A		
Streets are cleaned in a manner to prevent unauthorized non-stormwater discharges to surface waters or drainage systems.	Yes	No	
Erosion Controls			
Wind erosion controls are effectively implemented	Yes	No	
Effective soil cover is provided for disturbed areas inactive (i.e., not scheduled to be disturbed for 10 days per CEC requirements / 14 days per CGP requirements) as well as finished slopes, open space, utility backfill, and completed lots	Yes	No	
The use of plastic materials is limited in cases when a more sustainable, environmentally friendly alternative exists.	Yes	No	
Sediment Controls			
Perimeter controls are established and effective at controlling erosion and sediment discharges from the site	Yes	No	
Entrances and exits are stabilized to control erosion and sediment discharges from the site	No	Yes	Sweeper
Sediment basins are properly maintained	Yes	No	
Limit construction activity to and from site to entrances and exits that employ effective controls to prevent offsite tracking	Yes	No	
Ensure all storm, drain inlets and perimeter controls, runoff control BMPs and pollutants controls at entrances and exits	Yes	No.	

are maintained and protected from activities the reduce their effectiveness	Yes	No	
Inspect all immediate access roads daily	Yes	No	
Run-On and Run-Off Controls			
Run-on to the site is effectively managed and directed away from all disturbed areas.	Yes	No	
Other			
Are the project SWPPP and BMP plan up to date, available on-site and being properly implemented?	Yes	No	

Part III. Descriptions of Any BMP Deficiencies		
Deficiency	**Repairs Implemented: Note - Repairs must begin within 72 hours of identification.**	
	Start Date	**Action**
1. None to Report		
2.		
3.		
4.		

Part IV. Additional Pre-Storm Observations. Note the presence or absence of floating and suspended materials, sheen, discoloration, turbidity, odors, and source(s) of pollutants(s).	
	Yes, No, N/A
Do stormwater storage and containment areas have adequate freeboard? If no, complete Part III.	Yes
Are drainage areas free of spills, leaks, or uncontrolled pollutant sources? If no, complete Part VII and describe below.	Yes
Notes:	
Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and describe below.	Yes
Notes:	

Part V. Additional During Storm Observations. If BMPs cannot be inspected during inclement weather, list the results of visual inspections at all relevant outfalls, discharge points, and downstream locations. Note odors or visible sheen on the surface of discharges. Complete Part VII (Corrective Actions) as needed.	
Outfall, Discharge Point, or Other Downstream Location	
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description

Part VI. Additional Post-Storm Observations. Visually observe (inspect) stormwater discharges at all discharge locations within two business days (48 hours) after each qualifying rain event, and observe (inspect) the discharge of stored or contained stormwater that is derived from and discharged subsequent to a qualifying rain event producing precipitation of ½ inch or more at the time of discharge. Complete Part VII (Corrective Actions) as needed.	
Discharge Location, Storage or Containment Area	**Visual Observation**

Part VII. Additional Corrective Actions Required. Identify any additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.	
Required Actions	**Implementation Date**

Appendix G **BMP Checklists and Inspection Forms**

BMP INSPECTION REPORT

Date and Time of Inspection: 3-20-13 @ 10:30 am			Date Report Written: 3-20-13	
Inspection Type: (Circle one)	Weekly *Complete Parts I,II,III and VII*	Pre-Storm *Complete Parts I,II,III,IV and VII*	During Rain Event *Complete Parts I, II, III, V, and VII*	Post-Storm *Complete Parts I,II,III,VI and VII*

Part I. General Information

Site Information

Construction Site Name: Walnut Creek Engery Park.			
Construction stage and completed activities: Unit 5 - Start Up			Approximate area of site that is exposed: 0
Photos Taken: (Circle one)	Yes	No	Photo Reference IDs:

Weather

Estimate storm beginning: (date and time) N/A	Estimate storm duration: (hours) N/A
Estimate time since last storm: (days or hours) N/A	Rain gauge reading and location: (in) N/A.

Is a "Qualifying Event" predicted or did one occur (i.e., 0.5" rain with 48-hrs or greater between events)? (Y/N)
If yes, summarize forecast:

Exemption Documentation (explanation required if inspection could not be conducted). Visual inspections are not required outside of business hours or during dangerous weather conditions such as flooding or electrical storms.

Inspector Information

Inspector Name: Rick Warren	Inspector Title:
Signature:	Date: 3/20/13.

Part II. BMP Observations. Describe any deficiencies in Part III.			
Minimum BMPs for Risk Level 1 Sites	Adequately designed, implemented and effective (yes, no, N/A)	Action Required (yes/no)	Action Implemented (Date)
Good Housekeeping for Construction Materials			
Inventory of products (excluding materials designed to be outdoors)	Yes	No	
Stockpiled construction materials not actively in use are covered and bermed	Yes	No	
All chemicals are stored in watertight containers with appropriate secondary containment, or in a completely enclosed storage shed	Yes	No	
Construction materials are minimally exposed to precipitation	Yes	No	
BMPs preventing the off-site tracking of materials are implemented and properly effective	Yes	No	
Good Housekeeping for Waste Management			
Wash/rinse water and materials are prevented from being disposed into the storm drain system	Yes	No	
Portable toilets are contained to prevent discharges of waste	Yes	No.	
Sanitation facilities are clean and with no apparent for leaks and spills	Yes	No.	
Equipment is in place to cover waste disposal containers at the end of business day and during rain events	Yes	No	
Discharges from waste disposal containers are prevented from discharging to the storm drain system / receiving water	Yes	No	
Stockpiled waste material is securely protected from wind and rain if not actively in use	Yes	No	
Procedures are in place for addressing hazardous and non-hazardous spills	Yes	No	
Appropriate spill response personnel are assigned and trained	Yes	No	
Equipment and materials for cleanup of spills is available on site	Yes	N.	
Washout areas (e.g., concrete) are contained appropriately to prevent any discharge or infiltration into the underlying soil	Yes	N.	
Good Housekeeping for Vehicle Storage and Maintenance			
Measures are in place to prevent oil, grease, or fuel from leaking into the ground, storm drains, or surface waters	Yes	No	
All equipment or vehicles are fueled, maintained, and stored in a designated area with appropriate BMPs	Yes	No	
Vehicle and equipment leaks are cleaned immediately and disposed of properly	Yes	No	

Part II. BMP Observations Continued. Describe any deficiencies in Part III.			
Minimum BMPs for Risk Level 1 Sites	Adequately designed, implemented and effective (yes, no, N/A)	Action Required (yes/no)	Action Implemented (Date)
Good Housekeeping for Landscape Materials			
Stockpiled landscape materials such as mulches and topsoil are contained and covered when not actively in use	Yes	No	
Erodible landscape material has not been applied 2 days before a forecasted rain event or during an event	Yes	No	
Erodible landscape materials are applied at quantities and rates in accordance with manufacturer recommendations	Yes	No	
Bagged erodible landscape materials are stored on pallets and covered	N/A	N/A	
Good Housekeeping for Air Deposition of Site Materials			
Good housekeeping measures are implemented on site to control the air deposition of site materials and from site operations	Yes	No	
Non-Stormwater Management			
Non-stormwater discharges are properly controlled	Yes	No	
Vehicles are washed in a manner to prevent non-stormwater discharges to surface waters or drainage systems	N/A	~~No~~	
Streets are cleaned in a manner to prevent unauthorized non-stormwater discharges to surface waters or drainage systems.	Yes	No	
Erosion Controls			
Wind erosion controls are effectively implemented	Yes	No	
Effective soil cover is provided for disturbed areas inactive (i.e., not scheduled to be disturbed for 10 days per CEC requirements / 14 days per CGP requirements) as well as finished slopes, open space, utility backfill, and completed lots	Yes	No	
The use of plastic materials is limited in cases when a more sustainable, environmentally friendly alternative exists.	Yes	No	
Sediment Controls			
Perimeter controls are established and effective at controlling erosion and sediment discharges from the site	Yes	No	
Entrances and exits are stabilized to control erosion and sediment discharges from the site	No	Yes	Sweeper
Sediment basins are properly maintained	Yes	No	
Limit construction activity to and from site to entrances and exits that employ effective controls to prevent offsite tracking	Yes	No	
Ensure all storm, drain inlets and perimeter controls, runoff control BMPs and pollutants controls at entrances and exits	Yes	No	

are maintained and protected from activities the reduce their effectiveness			
Inspect all immediate access roads daily	Yes	No	
Run-On and Run-Off Controls			
Run-on to the site is effectively managed and directed away from all disturbed areas.	Yes	No	
Other			
Are the project SWPPP and BMP plan up to date, available on-site and being properly implemented?	Yes	No	
	Yes		

Part III. Descriptions of Any BMP Deficiencies

Deficiency	Repairs Implemented: Note - Repairs must begin within 72 hours of identification.	
	Start Date	**Action**
1. Waddles, in parking lot, guard shack	3/20/13	Put Silt fence up, and waddle at the footer.
2.		
3.		
4.		

Part IV. Additional Pre-Storm Observations. Note the presence or absence of floating and suspended materials, sheen, discoloration, turbidity, odors, and source(s) of pollutants(s).

	Yes, No, N/A
Do stormwater storage and containment areas have adequate freeboard? If no, complete Part III.	Yes
Are drainage areas free of spills, leaks, or uncontrolled pollutant sources? If no, complete Part VII and describe below.	Yes
Notes:	
Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and describe below.	Yes
Notes:	

Part V. Additional During Storm Observations. If BMPs cannot be inspected during inclement weather, list the results of visual inspections at all relevant outfalls, discharge points, and downstream locations. Note odors or visible sheen on the surface of discharges. Complete Part VII (Corrective Actions) as needed.	
Outfall, Discharge Point, or Other Downstream Location	
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description

Part VI. Additional Post-Storm Observations. Visually observe (inspect) stormwater discharges at all discharge locations within two business days (48 hours) after each qualifying rain event, and observe (inspect) the discharge of stored or contained stormwater that is derived from and discharged subsequent to a qualifying rain event producing precipitation of ½ inch or more at the time of discharge. Complete Part VII (Corrective Actions) as needed.

Discharge Location, Storage or Containment Area	Visual Observation

Part VII. Additional Corrective Actions Required. Identify any additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.

Required Actions	Implementation Date

Appendix G **BMP Checklists and Inspection Forms**

BMP INSPECTION REPORT

Date and Time of Inspection: 3/27/13 @ 9:00 am			Date Report Written: 3/27/13	
Inspection Type: (Circle one)	Weekly *Complete Parts I,II,III and VII*	Pre-Storm *Complete Parts I,II,III,IV and VII*	During Rain Event *Complete Parts I, II, III, V, and VII*	Post-Storm *Complete Parts I,II,III,VI and VII*

Part I. General Information

Site Information

Construction Site Name: Walnut Creek En. Park.			
Construction stage and completed activities: PeMob laydown / all Unit Start.			Approximate area of site that is exposed: 0 %.
Photos Taken: (Circle one)	Yes	No	Photo Reference IDs: N/A.

Weather

Estimate storm beginning: (date and time) N/A - 0% change	Estimate storm duration: (hours) 0 %
Estimate time since last storm: (days or hours) N/A.	Rain gauge reading and location: (in) 0"

Is a "Qualifying Event" predicted or did one occur (i.e., 0.5" rain with 48-hrs or greater between events)? (Y/N)
If yes, summarize forecast:

Exemption Documentation (explanation required if inspection could not be conducted).

Visual inspections are not required outside of business hours or during dangerous weather conditions such as flooding or electrical storms.

Inspector Information

Inspector Name: Rick Warner	Inspector Title: Pro./Mat. / Env. Manager
Signature:	Date: 3/27/13.

Part II. BMP Observations. **Describe any deficiencies in Part III.**			
Minimum BMPs for Risk Level 1 Sites	Adequately designed, implemented and effective (yes, no, N/A)	Action Required (yes/no)	Action Implemented (Date)
Good Housekeeping for Construction Materials			
Inventory of products (excluding materials designed to be outdoors)	Yes	No	
Stockpiled construction materials not actively in use are covered and bermed	Yes	No	
All chemicals are stored in watertight containers with appropriate secondary containment, or in a completely enclosed storage shed	Yes	No	
Construction materials are minimally exposed to precipitation	Yes	No	
BMPs preventing the off-site tracking of materials are implemented and properly effective	Yes	No	
Good Housekeeping for Waste Management			
Wash/rinse water and materials are prevented from being disposed into the storm drain system	Yes	No	
Portable toilets are contained to prevent discharges of waste	Yes	No	
Sanitation facilities are clean and with no apparent for leaks and spills	Yes	No	
Equipment is in place to cover waste disposal containers at the end of business day and during rain events	Yes	No	
Discharges from waste disposal containers are prevented from discharging to the storm drain system / receiving water	Yes	No	
Stockpiled waste material is securely protected from wind and rain if not actively in use	Yes	No	
Procedures are in place for addressing hazardous and non-hazardous spills	Yes	No	
Appropriate spill response personnel are assigned and trained	Yes	No	
Equipment and materials for cleanup of spills is available on site	Yes.	No	
Washout areas (e.g., concrete) are contained appropriately to prevent any discharge or infiltration into the underlying soil	Yes	No	
Good Housekeeping for Vehicle Storage and Maintenance			
Measures are in place to prevent oil, grease, or fuel from leaking into the ground, storm drains, or surface waters	Yes	No	
All equipment or vehicles are fueled, maintained, and stored in a designated area with appropriate BMPs	Yes	No	
Vehicle and equipment leaks are cleaned immediately and disposed of properly	Yes	No.	

Part II. BMP Observations Continued. Describe any deficiencies in Part III.			
Minimum BMPs for Risk Level 1 Sites	Adequately designed, implemented and effective (yes, no, N/A)	Action Required (yes/no)	Action Implemented (Date)
Good Housekeeping for Landscape Materials			
Stockpiled landscape materials such as mulches and topsoil are contained and covered when not actively in use	Yes	No	
Erodible landscape material has not been applied 2 days before a forecasted rain event or during an event	Yes	No	
Erodible landscape materials are applied at quantities and rates in accordance with manufacturer recommendations	Yes	No	
Bagged erodible landscape materials are stored on pallets and covered	N/A.		
Good Housekeeping for Air Deposition of Site Materials			
Good housekeeping measures are implemented on site to control the air deposition of site materials and from site operations	Yes	No	
Non-Stormwater Management			
Non-stormwater discharges are properly controlled	Yes	No	
Vehicles are washed in a manner to prevent non-stormwater discharges to surface waters or drainage systems	N/A.		
Streets are cleaned in a manner to prevent unauthorized non-stormwater discharges to surface waters or drainage systems.	Yes	No	
Erosion Controls			
Wind erosion controls are effectively implemented	Yes	No	
Effective soil cover is provided for disturbed areas inactive (i.e., not scheduled to be disturbed for 10 days per CEC requirements / 14 days per CGP requirements) as well as finished slopes, open space, utility backfill, and completed lots	Yes	No	
The use of plastic materials is limited in cases when a more sustainable, environmentally friendly alternative exists.	Yes	No	
Sediment Controls			
Perimeter controls are established and effective at controlling erosion and sediment discharges from the site	Yes	No	
Entrances and exits are stabilized to control erosion and sediment discharges from the site	No	Yes	Sweeper
Sediment basins are properly maintained	Yes	No	
Limit construction activity to and from site to entrances and exits that employ effective controls to prevent offsite tracking	Yes	No	
Ensure all storm, drain inlets and perimeter controls, runoff control BMPs and pollutants controls at entrances and exits	Yes	No.	

are maintained and protected from activities the reduce their effectiveness	Yes	No	
Inspect all immediate access roads daily	Yes	No	
Run-On and Run-Off Controls			
Run-on to the site is effectively managed and directed away from all disturbed areas.	Yes	No	
Other			
Are the project SWPPP and BMP plan up to date, available on-site and being properly implemented?	Yes	No.	

Part III. Descriptions of Any BMP Deficiencies

Deficiency	Repairs Implemented: Note - Repairs must begin within 72 hours of identification.	
	Start Date	Action
1. Parkinglot, Silt Fence By GE Fence.	3/27/13	Labor's Re-Stake Fence up around the hole.
2.		
3.		
4.		

Part IV. Additional Pre-Storm Observations. Note the presence or absence of floating and suspended materials, sheen, discoloration, turbidity, odors, and source(s) of pollutants(s).

	Yes, No, N/A
Do stormwater storage and containment areas have adequate freeboard? If no, complete Part III.	Yes
Are drainage areas free of spills, leaks, or uncontrolled pollutant sources? If no, complete Part VII and describe below.	Yes
Notes:	
Are stormwater storage and containment areas free of leaks? If no, complete Parts III and/or VII and describe below.	Yes
Notes:	

Part V. Additional During Storm Observations. If BMPs cannot be inspected during inclement weather, list the results of visual inspections at all relevant outfalls, discharge points, and downstream locations. Note odors or visible sheen on the surface of discharges. Complete Part VII (Corrective Actions) as needed.	
Outfall, Discharge Point, or Other Downstream Location	
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description
Location	Description

Part VI. Additional Post-Storm Observations. Visually observe (inspect) stormwater discharges at all discharge locations within two business days (48 hours) after each qualifying rain event, and observe (inspect) the discharge of stored or contained stormwater that is derived from and discharged subsequent to a qualifying rain event producing precipitation of ½ inch or more at the time of discharge. Complete Part VII (Corrective Actions) as needed.	
Discharge Location, Storage or Containment Area	**Visual Observation**

Part VII. Additional Corrective Actions Required. Identify any additional corrective actions not included with BMP Deficiencies (Part III) above. Note if SWPPP change is required.	
Required Actions	**Implementation Date**

Attachment F – WEAP Training Acknowledgement Forms

Certification of Completion
Worker Environmental Awareness Program (WEAP)

Walnut Creek Energy Park, City of Industry, Los Angeles County, California
Cultural and Paleontological Resources Education Program Verification
All On-Site Employees

This is to certify the below-mentioned individuals have completed a mandatory California Energy Commission-approved Cultural and Paleontological Resources Education (Worker Environmental Awareness Program) for Employees on site at the Walnut Creek Energy Park. By signing below, the participants indicate that they understand and shall abide by the guidelines set forth in the Program materials.

No.	Employee Name	Company	Signature	Date
1.	Fernando Gonzalez	Western Paving		3/1/13
2.	Nathan G. Cardenas	Western Paving		3/1/13
3.	Manuel Aguilar	WESTERN PAVING	Manuel Aguilar	3-1-13
4.	Robert Sobarzo	" "	Robert Sobarzo	3/1/13
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Trainer: Beau Burns Signature: _____ Date: 3 / 1 / 13

Certification of Completion
Worker Environmental Awareness Program (WEAP)

Walnut Creek Energy Park, City of Industry, Los Angeles County, California
Cultural and Paleontological Resources Education Program Verification
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No.	Employee Name	Company	Signature	Date
1.	Jose G medina	J.D. Jimenez	Jose G medina	3/4/13
2.	Geronimo Lopez	J.D. Jimenez	Geronimo Lopez	
3.	Fortunato Lopez	J.D. Jimenez	Fortunato Lopez	3/4/13
4.	Jesus muñoz	J.D. Jimenez	Jesus muñoz	3/4/13
5.	Roberto Perez	J.D. Jimenez	[illegible]	3/4/13
6.	Alberto Santos Lopez	J.D. Jimenez	[illegible]	3/4/2013
7.	Jose A muñoz	J.D. Jimenez	[illegible]	3/4/13
8.	Jesus Torres	J.D. Jimenez	[illegible]	3-4-13
9.	Miguel Cortez	J.D. Jimenez	[illegible]	
10.	Filemon Muñoz	J.D. Jimenez	[illegible]	3-4-13
11.	Beau Burr			
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Trainer: Matthew De Lapp Signature: [illegible] Date: 3 / 4 / 13

Certification of Completion
Worker Environmental Awareness Program (WEAP)

Walnut Creek Energy Park, City of Industry, Los Angeles County, California
Cultural and Paleontological Resources Education Program Verification
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No.	Employee Name	Company	Signature	Date
1.	JOSE LOPEZ	J.D Jimenez	JOSE LOPEZ	3/5/13
2.	Gerardo Magaña	J.D. Jimenez	Gerardo Magaña	3-5-13
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Trainer: Matthew De Lapp Signature: [illegible] Date: 3 / 5 / 13

Kiewit

New Employee Orientation

Project Name: WCEP	Date: 3/7/13
Topic: Safety/Quality/Environmental	Time Begin: 7:00 Time End: 7:45
	Total Length: 45 min
Detailed Description of Training/Meeting Materials & Subjects Covered (or attach agenda):	Instructors/Trainers/Conductors:
	Beau Burns

ATTENDEES

Name (Printed)	Signature	Title
1. Jose Benjamin Beavo	Benjamin Beavo	03/07/13
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Certification of Completion
Worker Environmental Awareness Program (WEAP)

Walnut Creek Energy Park, City of Industry, Los Angeles County, California
Cultural and Paleontological Resources Education Program Verification
All On-Site Employees

This is to certify the below-mentioned individuals have completed a mandatory California Energy Commission-approved Cultural and Paleontological Resources Education (Worker Environmental Awareness Program) for Employees on site at the Walnut Creek Energy Park. By signing below, the participants indicate that they understand and shall abide by the guidelines set forth in the Program materials.

No.	Employee Name	Company	Signature	Date
1.	Jose Benjamin Beavo	J-D - Jimenez	Benjamin Beavo	03/7/13
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Trainer: Beau Burns Signature: _____ Date: 3/7/13

Certification of Completion
Worker Environmental Awareness Program (WEAP)

Walnut Creek Energy Park, City of Industry, Los Angeles County, California
Cultural and Paleontological Resources Education Program Verification
All On-Site Employees

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No.	Employee Name	Company	Signature	Date
1.	EFREN AGUILAR	WESTERN PAVING	[illegible]	3/11/13
2.	Felipe Brambila	wester Paving	Felipe Brambila	3/11/13
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Trainer: Beau Burns Signature: Beau Burns Date: 3/11/13
Matt De Lapp

Kiewit

New Employee Orientation

Project Name: WCEP	Date: 3/11/13
Topic: Safety/Quality/Environmental	Time Begin: 7:00 Time End: 8:00
	Total Length: 1hr.
Detailed Description of Training/Meeting Materials & Subjects Covered (or attach agenda):	Instructors/Trainers/Conductors:
	Beau Burns
	Matthew De Lapp

ATTENDEES

Name (Printed)	Signature	Title
1. EFREN AGUILAR	Efren Aguilar	oper.
2. Felipe Brambila	Felipe Brambila	oper
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Certification of Completion
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No.	Employee Name	Company	Signature	Date
1.	GERARDO OROZCO	TECNO COATING	GERARDO OROZCO	3/18/13
2.				
3.	Victorino Orozco	TCI	Vorozco A.	3-18-13
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Trainer: D. PHIPPS Signature: [illegible] Date: 03 / 18 / 13

Certification of Completion
Worker Environmental Awareness Program (WEAP)

Walnut Creek Energy Park, City of Industry, Los Angeles County, California
Cultural and Paleontological Resources Education Program Verification
All On-Site Employees

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No.	Employee Name	Company	Signature	Date
1.	Jesus Rocha	Marina Land	Jesus Rocha	3/20/13
2.	MARK JORDAN	IMD - BRUSH	Mark A. Jordan	3/20/13
3.	JOSE A. GARCIA	IMD - BRUSH	[illegible]	3/20/13
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Trainer: Matthew DeLapp Signature: [illegible] Date: 3/20/13

Certification of Completion
Worker Environmental Awareness Program (WEAP)

Walnut Creek Energy Park, City of Industry, Los Angeles County, California
Cultural and Paleontological Resources Education Program Verification
All On-Site Employees

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No.	Employee Name	Company	Signature	Date
1.	CHAD Robinson	Kiewit	[illegible]	3-21-13
2.	Jose Y Pallago	MARINA	[illegible]	3-21-13
3.	CARLOS SOSA	MARINA	CARLOS SOSA	3-21-13
4.	Angel Langaney	Advanced Alarm	[illegible]	3-21-13
5.	Henry Arrillo III	ADVANCED ALARM	[illegible] III	3-21-13
6.	Alex Mantecon	ADVANCED Alarm	[illegible]	3-21-13
7.	Christian Corpus	Advanced alarm	[illegible]	3-21-13
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Trainer: Matthew DeLapp Signature: [illegible] Date: 3/21/13

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No.	Employee Name	Company	Signature	Date
1.	Alfonso Patino	Masing Landscaping	Alfonso Patino	3-22-13
2.	Lauri Melendrez	Kiwit		3.22.13
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Trainer: Matthew DeLapp Signature: [illegible] Date: 3 / 22 / 13

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No.	Employee Name	Company	Signature	Date
1.	MARIO TAVARES Jr.	CCP	[illegible]	3-26-13
2.	Michael Bogdan	CCP	[illegible]	3-26-13
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Trainer: Matthew DeLapp Signature: [illegible] Date: 3/26/13

Certification of Completion
Worker Environmental Awareness Program (WEAP)

Walnut Creek Energy Park, City of Industry, Los Angeles County, California
Cultural and Paleontological Resources Education Program Verification
All On-Site Employees

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No.	Employee Name	Company	Signature	Date
1.	Charles Farris	VFC		3-26-2013
2.	Josh Johnson	VFC		3-26-2015
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Trainer: David Phipps Signature: David Phipps Date: 3/26/13

Certification of Completion
Worker Environmental Awareness Program (WEAP)

Walnut Creek Energy Park, City of Industry, Los Angeles County, California
Cultural and Paleontological Resources Education Program Verification
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No.	Employee Name	Company	Signature	Date
1.	GUADALUPE FLORIDO	MARINA LAND	Guadalupe F.	3/27/13
2.	FRANCISCO RICO	MARINA LAND	Francisco Rico	3/27/13
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Trainer: Matthew De Lapp Signature: [signature] Date: 3 / 27 / 13

Certification of Completion
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No.	Employee Name	Company	Signature	Date
1.	PETER ORTEGA JR	CONVERGENT		3/28/13
2.	Marvin Salinas	Anthony Electric		3/28/13
3.	GUSTAVO MASICK	ANTHONY ELECTRIC		3/28/13
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Trainer: Matthew DeLapp Signature: Date: 3/28/13

Attachment G – Site Construction Safety Supervisor's Safety Report

Walnut Creek Energy Park

Worker Safety

CSS Safety Inspection Report – March 2013

Safety Training:

Table below lists who has completed the site indoctrination training in the month of February. Indoctrination encompasses safety, environmental and WEAP training.

EMPLOYEE NAME	COMPANY	TRAINING DATE
Manuel Aguilar	Sub. Western Paving	3.1.13
Efren Aguilar	Sub. Western Paving	3.11.13
Henry Armyo III	Sub. Advance Alarm	3.21.13
Jose Benjamin Bravo	JD Jimenez	3.7.13
Felipe Brambila	Sub. Western Paving	3.11.13
Michael Bogoan	Sub. CCP	3.26.13
Jose Collazo	Sub. Marina	03.21.13
Christian Corpus	Advanced Alarm	03.21.13
Charles Farris	Sub. VFC	3.26.13
Guadalupe Florido	Sub. Marina	3.27.13
Fernando Gonzalez	Sub. Western Paving	3.1.13
Jose Garcia	Sub. IMD-Brush	3.20.13
Mark Jordan	Sub. IMD-Brush	3.20.13
Josh Johnson	Sub. VFC	3.26.13
Fortunato Lopez	Sub. JD Jimenez	3.4.13
Alberto Santos Lopez	Sub. JD Jimenez	3.4.13
Geronima Lopez	Sub. JD Jimenez	3.4.13

Jose Lopez	Sub. JD Jimenez	3.5.13
Angel Langaney	Sub. Advanced Alarm	3.21.13
Jose G. Medina	Sub. J.D. Jimenez	3.4.13
Jose Medina	Sub. J.D. Jimenez	3.4.13
Jose Munez	Sub. J.D. Jimenez	3.4.13
Filemon Munez	Sub. J.D. Jimenez	3.4.13
Gerado Magana	Sub. J.D. Jimenez	3.5.13
Alex Mantecon	Sub. Advanced Alarm	3.21.13
Launi Melendrez	Laborer	3.22.13
Gustavo Masick	Sub. Anthony Electric	3.28.13
Gerardo Oroza	Sub. TCI	3.18.13
Victor Oroza	Sub. TCI	3.18.13
Peter Ortega Jr.	Sub. Convergint	3.28.13
Reberto Perez	Sub. J.D. Jimenez	3.4.13
Alfonso Patino	Sub. Marina	3.22.13
Jesus Rocha	Sub. Marina	3.20.13
Francisco Rico	Sub. Marina	3.27.13
Robert Sobarzo	Sub. Western Paving	3.1.13
Carlos Sosa	Sub. Advanced Alarm	3.21.13
Marvin Salinas	Sub. Anthony Electric	3.28.13
Jesus Torres	Sub. J.D. Jimenez	3.4.13
Mario Tavares Jr.	Sub. CCP	3.26.13

Safety Management Actions and Safety-Related Incidents:

- Safety tours performed daily.

- Monthly Safety assessment.

Continuing or Unresolved Situations:

None to Report

First Aid and Recordable Injuries:

- None to Report

Attachment H – Monthly Commissioning Status Report (AQ-3)

Mar 2013 - WCEP Commissioning Unit 1 Emissions

Day	SCAQMD Device Number	Daily Operating Hours (hrs/day)	Daily Fuel Use (MMscf/day)	Calculated Emissions						GHG Emissions		
				NOx (lbs/day)	CO (lbs/day)	VOC (lbs/day)	SOx (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	CO2 (metric ton)	CH4 (metric ton)	N2O (metric ton)
1	D1	3.8	2.7	87.2	19.9	7.2	1.8	18.7	18.7	143	2.69E-03	2.69E-04
2	D1	0	0	0	0	0	0	0	0	0	0	0
3	D1	0	0	0	0	0	0	0	0	0	0	0
4	D1	1.8	1.3	20.7	54.1	3.6	0.9	9.2	9.2	70	1.33E-03	1.33E-04
5	D1	0	0	0	0	0	0	0	0	0	0	0
6	D1	0	0	0	0	0	0	0	0	0	0	0
7	D1	0	0	0	0	0	0	0	0	0	0	0
8	D1	0	0	0	0	0	0	0	0	0	0	0
9	D1	0	0	0	0	0	0	0	0	0	0	0
10	D1	0	0	0	0	0	0	0	0	0	0	0
11	D1	0	0	0	0	0	0	0	0	0	0	0
12	D1	0	0	0	0	0	0	0	0	0	0	0
13	D1	1.4	0.8	13.5	28.6	2.3	0.6	5.9	5.9	45	8.52E-04	8.52E-05
14	D1	0	0	0	0	0	0	0	0	0	0	0
15	D1	0	0	0	0	0	0	0	0	0	0	0
16	D1	0	0	0	0	0	0	0	0	0	0	0
17	D1	0	0	0	0	0	0	0	0	0	0	0
18	D1	0	0	0	0	0	0	0	0	0	0	0
19	D1	0	0	0	0	0	0	0	0	0	0	0
20	D1	0	0	0	0	0	0	0	0	0	0	0
21	D1	0	0	0	0	0	0	0	0	0	0	0
22	D1	0	0	0	0	0	0	0	0	0	0	0
23	D1	0	0	0	0	0	0	0	0	0	0	0
24	D1	0	0	0	0	0	0	0	0	0	0	0
25	D1	0	0	0	0	0	0	0	0	0	0	0
26	D1	1.1	0.02	1.4	1.0	0.1	0.0	0.1	0.1	1	1.93E-05	1.93E-06
27	D1	1.7	1.3	45.4	8.9	3.4	0.8	8.9	8.9	68	1.28E-03	1.28E-04
28	D1	0	0	0	0	0	0	0	0	0	0	0
29	D1	0	0	0	0	0	0	0	0	0	0	0
30	D1	0	0	0	0	0	0	0	0	0	0	0
31	D1	0	0	0	0	0	0	0	0	0	0	0
Total =		9.8	6.1	168.3	112.5	16.6	4.1	42.8	42.8	327	6.17E-03	6.17E-04

NOx and CO CEMS values are used for the entire month of March

Mar 2013 - WCEP Commissioning Unit 2 Emissions

Day	SCAQMD Device Number	Daily Operating Hours (hrs/day)	Daily Fuel Use (MMscf/day)	Calculated Emissions						GHG Emissions		
				NOx (lbs/day)	CO (lbs/day)	VOC (lbs/day)	SOx (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	CO2 (metric ton)	CH4 (metric ton)	N2O (metric ton)
1	D7	5.2	3.7	37.9	29.5	10.2	2.5	26.4	26.4	202	3.80E-03	3.80E-04
2	D7	0	0	0	0	0	0	0	0	0	0	0
3	D7	0	0	0	0	0	0	0	0	0	0	0
4	D7	1.9	1.3	17.4	89.6	3.6	0.9	9.3	9.3	71	1.34E-03	1.34E-04
5	D7	0	0	0	0	0	0	0	0	0	0	0
6	D7	0	0	0	0	0	0	0	0	0	0	0
7	D7	0	0	0	0	0	0	0	0	0	0	0
8	D7	0	0	0	0	0	0	0	0	0	0	0
9	D7	0	0	0	0	0	0	0	0	0	0	0
10	D7	0	0	0	0	0	0	0	0	0	0	0
11	D7	0	0	0	0	0	0	0	0	0	0	0
12	D7	0	0	0	0	0	0	0	0	0	0	0
13	D7	1.8	1.2	15.9	60.1	3.3	0.8	8.4	8.4	64	1.21E-03	1.21E-04
14	D7	0	0	0	0	0	0	0	0	0	0	0
15	D7	0	0	0	0	0	0	0	0	0	0	0
16	D7	0	0	0	0	0	0	0	0	0	0	0
17	D7	0	0	0	0	0	0	0	0	0	0	0
18	D7	0	0	0	0	0	0	0	0	0	0	0
19	D7	0	0	0	0	0	0	0	0	0	0	0
20	D7	0	0	0	0	0	0	0	0	0	0	0
21	D7	0	0	0	0	0	0	0	0	0	0	0
22	D7	0	0	0	0	0	0	0	0	0	0	0
23	D7	0	0	0	0	0	0	0	0	0	0	0
24	D7	0	0	0	0	0	0	0	0	0	0	0
25	D7	0	0	0	0	0	0	0	0	0	0	0
26	D7	1.9	1.2	20.5	36.0	3.3	0.8	8.6	8.6	66	1.24E-03	1.24E-04
27	D7	0	0	0	0	0	0	0	0	0	0	0
28	D7	0	0	0	0	0	0	0	0	0	0	0
29	D7	0	0	0	0	0	0	0	0	0	0	0
30	D7	0	0	0	0	0	0	0	0	0	0	0
31	D7	0	0	0	0	0	0	0	0	0	0	0
Total =		10.8	7.5	91.5	215.2	20.4	5.0	52.6	52.6	402	7.59E-03	7.59E-04

NOx and CO CEMS values are used for the entire month of March

Mar 2013 - WCEP Commissioning Unit 3 Emissions

Day	SCAQMD Device Number	Daily Operating Hours (hrs/day)	Daily Fuel Use (MMscf/day)	Calculated Emissions						GHG Emissions		
				NOx (lbs/day)	CO (lbs/day)	VOC (lbs/day)	SOx (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	CO2 (metric ton)	CH4 (metric ton)	N2O (metric ton)
1	D13	5.3	3.8	36.7	22.7	10.3	2.5	26.5	26.5	203	3.83E-03	3.83E-04
2	D13	0	0	0	0	0	0	0	0	0	0	0
3	D13	0	0	0	0	0	0	0	0	0	0	0
4	D13	1.9	1.3	18.6	11.1	3.6	0.9	9.3	9.3	71	1.34E-03	1.34E-04
5	D13	0	0	0	0	0	0	0	0	0	0	0
6	D13	0	0	0	0	0	0	0	0	0	0	0
7	D13	0	0	0	0	0	0	0	0	0	0	0
8	D13	0	0	0	0	0	0	0	0	0	0	0
9	D13	0	0	0	0	0	0	0	0	0	0	0
10	D13	0	0	0	0	0	0	0	0	0	0	0
11	D13	0	0	0	0	0	0	0	0	0	0	0
12	D13	0	0	0	0	0	0	0	0	0	0	0
13	D13	1.8	1.2	18.1	6.4	3.3	0.8	8.5	8.5	65	1.23E-03	1.23E-04
14	D13	0	0	0	0	0	0	0	0	0	0	0
15	D13	0	0	0	0	0	0	0	0	0	0	0
16	D13	0	0	0	0	0	0	0	0	0	0	0
17	D13	0	0	0	0	0	0	0	0	0	0	0
18	D13	0	0	0	0	0	0	0	0	0	0	0
19	D13	0	0	0	0	0	0	0	0	0	0	0
20	D13	0	0	0	0	0	0	0	0	0	0	0
21	D13	0	0	0	0	0	0	0	0	0	0	0
22	D13	0	0	0	0	0	0	0	0	0	0	0
23	D13	0	0	0	0	0	0	0	0	0	0	0
24	D13	0	0	0	0	0	0	0	0	0	0	0
25	D13	0	0	0	0	0	0	0	0	0	0	0
26	D13	1.1	0.7	18.0	16.2	1.8	0.5	4.7	4.7	36	6.84E-04	6.84E-05
27	D13	2.2	1.4	22.8	6.5	3.9	1.0	10.1	10.1	77	1.46E-03	1.46E-04
28	D13	0	0	0	0	0	0	0	0	0	0	0
29	D13	0	0	0	0	0	0	0	0	0	0	0
30	D13	0	0	0	0	0	0	0	0	0	0	0
31	D13	0	0	0	0	0	0	0	0	0	0	0
Total =		12.3	8.4	114.4	62.9	23.0	5.6	59.3	59.3	453	8.55E-03	8.55E-04

NOx and CO CEMS values are used for the entire month of March

Mar 2013 - WCEP Commissioning Unit 4 Emissions

Day	SCAQMD Device Number	Daily Operating Hours (hrs/day)	Daily Fuel Use (MMscf/day)	Calculated Emissions						GHG Emissions		
				NOx (lbs/day)	CO (lbs/day)	VOC (lbs/day)	SOx (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	CO2 (metric ton)	CH4 (metric ton)	N2O (metric ton)
1	D19	12.6	7.4	917.6	102.3	20.3	5.0	52.3	52.3	400	7.54E-03	7.54E-04
2	D19	0	0	0	0	0	0	0	0	0	0	0
3	D19	0	0	0	0	0	0	0	0	0	0	0
4	D19	5.1	3.6	35.7	144.4	9.8	2.4	25.4	25.4	194	3.66E-03	3.66E-04
5	D19	0	0	0	0.0	0.0	0.0	0.0	0.0	0	0	0
6	D19	0	0	0	0	0	0	0	0	0	0	0
7	D19	0	0	0	0	0	0	0	0	0	0	0
8	D19	0	0	0	0	0	0	0	0	0	0	0
9	D19	1.4	0.9	18.5	3.3	2.4	0.6	6.2	6.2	47	8.94E-04	8.94E-05
10	D19	0	0	0	0	0	0	0	0	0	0	0
11	D19	0	0	0	0	0	0	0	0	0	0	0
12	D19	6.4	2.3	78.1	11.4	6.2	1.5	16.0	16.0	122	2.30E-03	2.30E-04
13	D19	3.1	2.1	28.7	50.4	5.7	1.4	14.8	14.8	113	2.14E-03	2.14E-04
14	D19	0	0	0	0	0	0	0	0	0	0	0
15	D19	0	0	0	0	0	0	0	0	0	0	0
16	D19	0	0	0	0	0	0	0	0	0	0	0
17	D19	0	0	0	0	0	0	0	0	0	0	0
18	D19	0	0	0	0	0	0	0	0	0	0	0
19	D19	0	0	0	0	0	0	0	0	0	0	0
20	D19	3.7	2.4	34.7	111.5	6.5	1.6	16.7	16.7	128	2.41E-03	2.41E-04
21	D19	7.0	5.3	85.0	112.9	14.5	3.6	37.4	37.4	286	5.39E-03	5.39E-04
22	D19	0	0	0	0	0	0	0	0	0	0	0
23	D19	0	0	0	0	0	0	0	0	0	0	0
24	D19	0	0	0	0	0	0	0	0	0	0	0
25	D19	0	0	0	0	0	0	0	0	0	0	0
26	D19	0	0	0	0	0	0	0	0	0	0	0
27	D19	3.2	2.1	27.9	19.8	5.8	1.4	14.9	14.9	114	2.15E-03	2.15E-04
28	D19	0	0	0	0	0	0	0	0	0	0	0
29	D19	4.0	2.6	27.9	24.2	7.1	1.8	18.4	18.4	141	2.66E-03	2.66E-04
30	D19	0	0	0	0	0	0	0	0	0	0	0
31	D19	0	0	0	0	0	0	0	0	0	0	0
Total =		46.5	28.7	1254.0	580.2	78.4	19.2	202.2	202.2	1546	2.91E-02	2.91E-03

NOx and CO CEMS values are used starting from 3/4/2013

Mar 2013 - WCEP Commissioning Unit 5 Emissions

Day	SCAQMD Device Number	Daily Operating Hours (hrs/day)	Daily Fuel Use (MMscf/day)	Calculated Emissions						GHG Emissions		
				NOx (lbs/day)	CO (lbs/day)	VOC (lbs/day)	SOx (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)	CO2 (metric ton)	CH4 (metric ton)	N2O (metric ton)
1	D19	0	0	0	0	0	0	0	0	0	0	0
2	D19	0	0	0	0	0	0	0	0	0	0	0
3	D19	0	0	0	0	0	0	0	0	0	0	0
4	D19	0	0	0	0	0	0	0	0	0	0	0
5	D19	0	0	0	0	0	0	0	0	0	0	0
6	D19	0	0	0	0	0	0	0	0	0	0	0
7	D19	0	0	0	0	0	0	0	0	0	0	0
8	D19	5.5	2.6	320.6	326.9	7.1	1.7	18.3	18.3	140	2.64E-03	2.64E-04
9	D19	4.9	2.5	303.3	309.3	6.7	1.6	17.3	17.3	132	2.49E-03	2.49E-04
10	D19	0	0	0	0	0	0	0	0	0	0	0
11	D19	0	0	0	0	0	0	0	0	0	0	0
12	D19	0	0	0	0	0	0	0	0	0	0	0
13	D19	0	0	0	0	0	0	0	0	0	0	0
14	D19	5.2	2.8	348.2	38.8	7.7	1.9	19.9	19.9	152	2.86E-03	2.86E-04
15	D19	8.6	6.5	803.4	89.5	17.8	4.4	45.8	45.8	350	6.60E-03	6.60E-04
16	D19	0.3	0.1	12.7	1.4	0.3	0.1	0.7	0.7	6	1.05E-04	1.05E-05
17	D19	2.2	0.3	42.6	4.7	0.9	0.2	2.4	2.4	19	3.50E-04	3.50E-05
18	D19	1.5	0.7	85.2	9.5	1.9	0.5	4.9	4.9	37	7.00E-04	7.00E-05
19	D19	10.4	7.9	969.2	108.0	21.4	5.3	55.3	55.3	422	7.97E-03	7.97E-04
20	D19	1.1	0.8	99.1	11.0	2.2	0.5	5.7	5.7	43	8.15E-04	8.15E-05
21	D19	1.0	0.6	77.5	8.6	1.7	0.4	4.4	4.4	34	6.37E-04	6.37E-05
22	D19	3.8	2.4	293.1	32.7	6.5	1.6	16.7	16.7	128	2.41E-03	2.41E-04
23	D19	1.9	0.2	27.3	3.0	0.6	0.1	1.6	1.6	12	2.24E-04	2.24E-05
24	D19	0	0	0	0	0	0	0	0	0	0	0
25	D19	10.9	7.8	961.3	107.1	21.3	5.2	54.8	54.8	419	7.90E-03	7.90E-04
26	D19	2.1	1.4	177.2	19.7	3.9	1.0	10.1	10.1	77	1.46E-03	1.46E-04
27	D19	11.7	8.3	1027.8	114.6	22.7	5.6	58.6	58.6	448	8.45E-03	8.45E-04
28	D19	10.1	5.5	676.4	75.4	15.0	3.7	38.6	38.6	295	5.56E-03	5.56E-04
29	D19	0	0	0	0	0	0	0	0	0	0	0
30	D19	0	0	0	0	0	0	0	0	0	0	0
31	D19	0	0	0	0	0	0	0	0	0	0	0
Total =		81.2	50.4	6224.9	1260.4	137.6	33.8	355.0	355.0	2713	5.12E-02	5.12E-03

NOx and CO CEMS values are used starting from 3/29/2013

Mar 2013 - WCEP Commissioning Fire Pump Engine Emissions

Day	SCAQMD Device Number	Testing Hours (hrs/day)	Emergency Operating Hours (hrs/day)	Daily Fuel Use (MMscf/day)	Calculated Emissions				
					NOx (lbs/day)	CO (lbs/day)	SOx (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)
1	D34	0	0	0	0	0	0	0	0
2	D34	0	0	0	0	0	0	0	0
3	D34	0	0	0	0	0	0	0	0
4	D34	0	0	0	0	0	0	0	0
5	D34	0	0	0	0	0	0	0	0
6	D34	0.4	0	3.3	1.55	0.16	0.00	0.02	0.02
7	D34	0	0	0	0	0	0	0	0
8	D34	0	0	0	0	0	0	0	0
9	D34	0	0	0	0	0	0	0	0
10	D34	0	0	0	0	0	0	0	0
11	D34	0.5	0	1.8	0.84	0.18	0.00	0.02	0.02
12	D34	0	0	0	0	0	0	0	0
13	D34	0	0	0	0	0	0	0	0
14	D34	0	0	0	0	0	0	0	0
15	D34	0	0	0	0	0	0	0	0
16	D34	0	0	0	0	0	0	0	0
17	D34	0	0	0	0	0	0	0	0
18	D34	0.5	0	1.9	0.89	0.18	0.00	0.02	0.02
19	D34	0	0	0	0	0	0	0	0
20	D34	0	0	0	0	0	0	0	0
21	D34	0	0	0	0	0	0	0	0
22	D34	0	0	0	0	0	0	0	0
23	D34	0	0	0	0	0	0	0	0
24	D34	0	0	0	0	0	0	0	0
25	D34	0.5	0	1.8	0.84	0.18	0.00	0.02	0.02
26	D34	0	0	0	0	0	0	0	0
27	D34	0	0	0	0	0	0	0	0
28	D34	0	0	0	0	0	0	0	0
29	D34	0	0	0	0	0	0	0	0
30	D34	0	0	0	0	0	0	0	0
31	D34	0	0	0	0	0	0	0	0
Total =		1.9	0	8.8	4.13	0.70	0.001	0.08	0.08

Feb 2013 - WCEP Commissioning Cooling Tower Emissions				
Day	SCAQMD Device Number	Daily Water Circulating Flow Rate (gallons/day)	Circulating Water TDS Level (ppm)	Calculated PM10 (lbs/day)
1	N/A	13,050,500	2176	1.18
2	N/A	0	0	0
3	N/A	0	0	0
4	N/A	9,898,000	2143	0.88
5	N/A	0	0	0
6	N/A	0	0	0
7	N/A	1,372,500	2094	0.12
8	N/A	11,835,000	2117	1.04
9	N/A	9,585,000	2155	0.86
10	N/A	0	0	0
11	N/A	0	0	0
12	N/A	9,315,000	2138	0.83
13	N/A	11,857,500	2515	1.24
14	N/A	10,777,500	2987	1.34
15	N/A	12,645,000	3199	1.68
16	N/A	675,000	3117	0.09
17	N/A	10,282,500	3130	1.34
18	N/A	5,872,500	2997	0.73
19	N/A	15,210,000	3156	2.00
20	N/A	7,425,000	3264	1.01
21	N/A	11,385,000	3052	1.45
22	N/A	7,267,500	3095	0.94
23	N/A	3,150,000	3112	0.41
24	N/A	0	0	0
25	N/A	15,300,000	3161	2.01
26	N/A	14,377,500	3110	1.86
27	N/A	15,885,000	3235	2.14
28	N/A	14,692,500	3176	1.94
29	N/A	5,647,500	3167	0.74
30	N/A	0	0	0
31	N/A	0	0	0
Total =				25.85