COPY

Storm Water Pollution Prevention Plan **- DANIELS CANYON -**	Completed By: Sterling Stoddard Date: February 26, 1998
Storm Water Permit Number:	
Company Address: Staker Paving and Construction Co. P.O. Box 27598 Salt Lake City, UT. 84127-0598	Facility Physical Address: 3.75 miles southeast of US 189 on US 40, southeast of Heber City.
STORM WATER POLLUTION PREVENTION PLAN	
Emergency Contact: Sterling Stoddard Title: Environmental Advisor	Work Phone: 298-7500 Mobile Phone: 232-8040
Secondary Contact: Title: Mike Forrest	Work Phone: 298-7500 Mobile Phone: 541-3098
Type of Operation: Mining and Quarrying - Sand, Gravel and Rock Aggregate	
Primary SIC Code: 1442	
Operating Schedule: 7:00 am - 6:00 pm Monday through Saturday	
Number of Employees: 6	

STORM WATER POLLUTION PREVENTION PLAN

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SITE CHECKLIST

Field Notes from Inspection including: quantities, storage type, existing BMP's, etc.

MATERIALS EXPOSED TO STORM WATER:

1 Coarse Aggregate Pile(s) : 10,000 tons
_____ Fine Aggregate Pile(s) : 10,000 tons
_____ RAP Pile :
_____ Slag Pile
_____ Asphalt Cement Tank(s)
_____ Fuel Storage Tank(s): There will be a diesel fuel tank moved in with the crushing equipment.
_____ Gasoline
_____ Lubricating Oil
_____ Truck Bed Release Agent
_____ Used Oil Storage Tank(s)
_____ Solvents
_____ Coal Storage Pile(s)
_____ Other

ACTIVITIES EXPOSED TO STORM WATER:

_____ Vehicle Maintenance Area
_____ Vehicle / Equipment Wash Area
1 Fueling Stations: Will be set up with crushing equipment
_____ Paved Access Roads
_____ Other Paved Areas
_____ Oil / Water Separator
_____ Does the HMA facility have a wet scrubber pond that discharges into your storm water runoff or off the property

Does the facility show signs of poor housekeeping? No

_____ Are there any traces of oil, grease, or other chemicals on the ground? No

_____ Are there any leaking equipment, pipes, containers, or lines? No

_____ Do any of the storage containers show signs of corrosion or leaks? No

_____ Are containers properly labeled? Yes

STORM WATER POLLUTION PREVENTION PLAN MATERIAL INVENTORY	Completed By: Sterling Stoddard Date: February 26, 1998

Instructions: List all significant materials within the last three years that have been handled, processed, used, or stored onsite in a manner to allow exposure to storm water. Assess and evaluate these materials for their potential to contribute pollutants to storm water runoff.

MATERIAL	PURPOSE/LOCATION/METHOD OF STORAGE	Quantity	Contact w/Storm Water	Qty Exposed
Coarse Aggregate	Open Storage Piles	10,000 tons	Yes	10,000 tons
Fine Aggregate	Open Storage Piles	10,000 tons	Yes	10,000 tons
Sand				
Road Base	Open Storage Piles	10,000 tons	Yes	10,000 tons
Gasoline and Diesel				
Lubricating Oil				

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MATERIAL	PURPOSE/LOCATION/METHOD OF STORAGE	Quantity	Contact w/Storm Water	Qty Exposed
Heating Oil				

STORM WATER POLLUTION PREVENTION PLAN PAST SPILLS AND LEAKS	Completed By: Sterling Stoddard Date: February 26, 1998

Instructions: Record below all significant spills and significant leaks of toxic or hazardous pollutants that have occurred at the facility in the three years prior to the effective date of the permit.

Definitions: Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities.

Year: 1995

				Description			Response Procedure	
Date	Spill	Leak	Location	Material Type	Qty	Source	Amount Contained	Preventative Measures
N/A								

STORM WATER POLLUTION PREVENTION PLAN PAST SPILLS AND LEAKS	Completed By: Sterling Stoddard Date: February 26, 1998

Definitions: Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities.

Year: 1996

				Description			Response Procedure	
Date	Spill	Leak	Location	Material Type	Qty	Source	Amount Contained	Preventative Measures
N/A								

STORM WATER POLLUTION PREVENTION PLAN PAST SPILLS AND LEAKS	Completed By: Sterling Stoddard Date: February 26, 1998

Instructions: Record below all significant spills and significant leaks of toxic or hazardous pollutants that have occurred at the facility in the three years prior to the effective date of the permit.

Definitions: Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities.

Year: 1997

				Description			Response Procedure	
Date	Spill	Leak	Location	Material Type	Qty	Source	Amount Contained	Preventative Measures
N/A								

STORM WATER POLLUTION PREVENTION PLAN

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SITE MAP REQUIREMENTS

The following features must be indicated on the site map as required by EPA:

1. Property Features

   Property Boundaries
   Buildings
   HMA Facility
   Stockpile Areas
   Paved Areas (impervious areas)
   Areas covered with vegetation
   North Arrow

2. Location of exposed significant materials as designated on SITE CHECKLIST
3. Drainage areas of each storm water outfall and direction of flow within each drainage area
4. All outfalls and all storm water discharges
5. Structural storm water pollution control measures, such as:
   - Flow diversion structures
   - Retention/detention ponds
   - Vegetative swales
   - Sediment traps
6. Name of receiving waters (or if applicable, a Municipal Storm Water System)
7. Locations of past spills or leaks, if any
8. Locations of activities common on industrial sites that may cause storm water contamination including, but not limited to:

   - Fueling Stations
   - Vehicle/equipment maintenance areas
   - Vehicle/equipment wash areas
   - Above-ground tanks for liquid storage
   - Waste disposal areas - garbage cans, waste bins, old equip., etc.
   - Other areas of concern (specify: _____
     _____)

STORM WATER POLLUTION PREVENTION PLAN MATERIAL INVENTORY	Completed By: Sterling Stoddard Date: February 26, 1998

Date of Test or Evaluation	Outfall Directly Observed During Test	Test Method	Describe Results from the Test for the presence of Non-Storm Water Discharge	Identify Potential Significant Sources	Name of Person Who Conducted the Test

CERTIFICATION

I, _____(Responsible corporate official), certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information , including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE:	PHONE NO.:
SIGNATURE:	DATE SIGNED:

STORM WATER POLLUTION PREVENTION PLAN POLLUTANT SOURCE IDENTIFICATION	Completed By: Sterling Stoddard Date: February 26, 1998

Instructions: List all identified storm water pollutant sources and describe existing management practices that address those sources.

Storm Water Pollutant Sources	Existing Management Practices
1. Raw Material: Gravel, sand, and roadbase. Also haul roads and unpaved areas.	Divert runoff to sediment trap
2. Potential for spills from fuel tanks.	Poly-lined Secondary Containment
3. Potential for spills from waste oil tank.	N/A
4. Vehicle and equipment wash area.	N/A
5. Equipment Parking and general yard area.	Divert runoff to sediment trap
6.	
7.	

STORM WATER POLLUTION PREVENTION PLAN BASELINE BMP's IDENTIFICATION	Completed By: Sterling Stoddard Date: February 26, 1998

Instructions: List all identified storm water pollutant sources and describe existing management practices that address those sources.

BMP's	**Brief Description of Activities**
Good Housekeeping	Regular disposal of solid waste Recycle used oil Clean up any spills **immediately** Store lubricating oil inside Check all labeling of containers in production and maintenance areas
Preventative Maintenance	Daily inspection of the facility and storage tanks Training of maintenance and production personnel Observe the facility for good housekeeping
Visual Inspections	Daily inspection of the facility and all storage tanks Monthly inspections of storm water controls and fueling areas
Spill Prevention and Response	Maintain spill prevention system Continue routine inspections Educate personnel on proper spill response

STORM WATER POLLUTION PREVENTION PLAN BASELINE BMP's IDENTIFICATION	Completed By: Sterling Stoddard Date: February 26, 1998

Instructions: List all identified storm water pollutant sources and describe existing management practices that address those sources.

BMP's	**Brief Description of Activities**
Sediment and Erosion Control	Maintain vegetation in open areas Plant ground cover where necessary Install sediment control fixtures where necessary • Diversion Dikes • Stabilized Traffic Entrance • Straw and/or Silt Fence • Sediment Trap or Sediment Basin
Management of Runoff	Capture majority of runoff on site and allow it to evaporate. Remainder to have sediment removed and discharged into existing stream bed.

STORM WATER POLLUTION PREVENTION PLAN COMPREHENSIVE SITE EVALUATION REQUIREMENTS	Completed By: Sterling Stoddard Date: February 26, 1998

Note: Retain this record a minimum of three years after storm water permit expiration.

Qualified personnel must conduct site compliance evaluations at appropriate intervals specified in the permit. As part of your compliance evaluations, you are required to:

- Inspect storm water drainage areas for evidence of pollutants entering the drainage system.
- Evaluate the effectiveness of measures to reduce pollutant loadings and whether additional measures are needed.
- Observe structural measures, sediment controls, and other storm water BMP's to ensure proper operation.
- Inspect any equipment needed to implement the plan, such as spill response equipment.
- Revise the plan as needed within two weeks of inspection (potential pollutant source description and description of measures and controls).
- Implement any necessary changes in a timely manner, bat at least within 12 weeks of the inspection.
- Prepare a report summarizing inspection results and follow up actions, the date of inspection and personnel who conducted the inspection and identify any incidents of noncompliance or certify that the facility is in compliance with the plan.
- All incidents of noncompliance must be documented in the inspection report. Where there are no incidents of noncompliance, the inspection report must contain a certification that the facility is in compliance with the plan.
- Sign the report in accordance with the Signatory Requirements.
- The signed report must be kept with the plan.

STAKER PAVING AND
CONSTRUCTION CO. INC.
P.O. Box 27598
Salt Lake City, Utah 84127-0598

Telephone
(801) 298-7500
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(801) 295-7440

DRILLING AND BLASTING PLAN

-- Daniels Canyon Pit --

Staker Paving has had a drilling and blasting company perform a pre-blast survey at the pit. The distance to the nearest house was identified as approximately 800'. Following are the items that will be completed to drill and blast in the Daniels Canyon Pit.

1. Blast as infrequently as possible.
2. Monitor each blast with a siesmograph.
3. Verify that each blast is below 2 in./sec. (value accepted as safe practice by the Bureau of Mines).
4. Provide a structural engineering company that will be on site for each of the first three blasts. The engineer will provide a pre-blast inspection of the property and of the adjoining property and house adjacent to the pit to the west.
5. Each blast results will be provide to Staker Paving and to any other interested parties.