

**INFORMATIONAL HANDOUT**

(Not Part of the Contract)

**FOR CONSTRUCTION ON STATE HIGHWAY IN  
MONO COUNTY IN AND NEAR MAMMOTH LAKES FROM LAKE MARY  
ROAD TO ROUTE 395**

**DISTRICT 09, ROUTE 203**

Contract No. 09-284604

09-Mno-203-7.7/14.0

California Regional Water Quality Control Board

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LAHONTAN REGION

BOARD ORDER NO. 6-87-57

WASTE DISCHARGE REQUIREMENTS

FOR

CALIFORNIA DEPARTMENT OF TRANSPORTATION, DISTRICT 9  
ROAD IMPROVEMENT PROJECTS  
Mono and Inyo Counties

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The California Regional Water Quality Control Board, Lahontan Region, finds:

1. The Board is establishing waste discharge requirements for the Department of Transportation (Caltrans), District 9, Road Improvement Projects.
2. The Board is establishing waste discharge requirements for Caltrans, District 9, upon the District's request. The requirements have been established to facilitate efficient review of the District's road improvement projects and projects conducted by other entities on lands within the District's right-of-way.
3. Caltrans, District 9, conducts an ongoing road improvement program, which includes road and bridge maintenance, reconstruction and/or modification. In addition, other entities and individuals, including utility companies, conduct projects within the Caltrans, District 9, right-of-way. For the purposes of this Order, Caltrans, District 9, is referred to hereinafter as the "discharger" and any road maintenance, reconstruction or modification project involving soil disturbance or demolition as the "project." "Highway," as used in this Order is defined in the State Streets and Highways Code.
4. Typical maintenance, reconstruction and/or modification projects will involve less than half an acre of soil disturbance. Typical maintenance projects shall include seal coats (slurry, chip, fog, and sand), thin A/C blankets and patches, grading existing shoulders, cleaning ditches, cleaning and repairing drainage facilities, filling potholes, sealing cracks, repairing guardrail and fence, deicing roadway, sanding, avalanche control, minor slide removal, landscape maintenance including tree trimming and removal, signing and striping, roadway sweeping, slipout removal and repair, snow removal and weed control, bridge maintenance and repair on the deck or railing, spot base repair, and deicing sand reclamation.
5. Potential pollution discharges from Caltrans District 9, maintenance, reconstruction and/or modification projects include products of erosion, fresh concrete, demolition wastes, paint, and highway runoff.

CALTRANS, DISTRICT 9  
Mono and Inyo Counties

-2-

BOARD ORDER NO. 6-87-57

6. A project shall be exempt from this Order if the project is located (1) in an area where discharge of wastes to perennial surface waters could not reasonably occur and (2) where stormwater runoff containing waste earthen materials would not discharge to perennial surface waters during a 20-year, one-hour storm event. Caltrans submitted a map delineating sections of highway that are not exempt and projects in these areas would be governed by this Order. Unmarked areas are exempt. The map is included in this Order as Attachment "B".
7. The boundaries of Caltrans, District 9, are shown in Attachment "A" which is made a part of this Order. Caltrans, District 9, maintains highways within the following hydrologic units: West and East Walker Rivers, Mono, Adobe, Owens, and Deep Springs.
8. The Regional Board adopted a Water Quality Control Plan for the North Lahontan Basin on June 26, 1975 and for the South Lahontan Basin on May 8, 1975. The "Guidelines for Erosion Control for the Mammoth Lake Area" were adopted by the Board as an amendment to the South Lahontan Plan on June 9, 1983. This Order implements the amended plan.
9. The beneficial uses of surface waters of the West Walker River Hydrologic Unit as set forth and defined in the Water Quality Control Plan for the North Lahontan Basin include:
  - a. municipal and domestic supply
  - b. agricultural supply
  - c. groundwater recharge
  - d. water contact recreation
  - e. non-contact water recreation
  - f. cold freshwater habitat
  - g. wildlife habitat
  - h. freshwater replenishment
10. The beneficial uses of surface waters of the East Walker River Hydrologic Unit as set forth and defined in the Water Quality Control Plan for the North Lahontan Basin include:
  - a. municipal and domestic supply
  - b. agricultural supply
  - c. groundwater recharge
  - d. freshwater replenishment
  - e. non-contact water recreation
  - f. cold freshwater habitat
  - g. wildlife habitat
  - h. freshwater replenishment
  - i. preservation of rare and endangered species

CALTRANS, DISTRICT 9  
Mono and Inyo Counties

- 3 -

BOARD ORDER NO. 6-87-57

11. The beneficial uses of surface waters of the Mono Hydrologic Unit as set forth and defined in the Water Quality Control Plan for the South Lahontan Basin are:
  - a. municipal and domestic supply
  - b. agricultural supply
  - c. ground water recharge
  - d. water-contact recreation
  - e. non-contact water recreation
  - f. cold freshwater habitat
  - g. wildlife habitat
  - h. hydropower generation
  - i. saline water habitat
  - j. industrial service
  
12. The beneficial uses of the surface waters of the Adobe Hydrologic Unit as set forth and defined in the Water Quality Control Plan for the South Lahontan Basin include:
  - a. municipal and domestic supply
  - b. agricultural supply
  - c. ground water recharge
  - d. water-contact recreation
  - e. non-contact water recreation
  - f. cold freshwater habitat
  - g. wildlife habitat
  
13. The beneficial uses of the surface waters of the Owens Hydrologic Unit as set forth and defined in the Water Quality Control Plan for the South Lahontan Basin include:
  - a. municipal and domestic supply
  - b. agricultural supply
  - c. ground water recharge
  - d. water-contact recreation
  - e. non-contact water recreation
  - f. cold freshwater habitat
  - g. wildlife habitat
  - h. industrial service
  - i. hydropower generation
  - j. preservation of rare and endangered species
  - k. warm freshwater habitat
  
14. The beneficial uses of surface waters of the Deep Springs Hydrologic Unit as set forth and defined in the Water Quality Control Plan for the South Lahontan Basin include:

CALTRANS, DISTRICT 9  
Mono and Inyo Counties

- 4 -

BOARD ORDER NO. 6-87-57

- a. municipal and domestic supply
  - b. agricultural supply
  - c. ground water recharge
  - d. water-contact recreation
  - e. non-contact water recreation
  - f. wildlife habitat
  - g. warm freshwater habitat
  - h. preservation of rare and endangered species
  - i. saline water habitat
15. The Board has notified the discharger and the interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge from projects of Caltrans, District 9.
  16. The projects that are governed by these waste discharge requirements include a variety of maintenance, reconstruction and/or modification projects. Such projects are exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000 et seq.) in accordance with Sections 15301 through 15304, Chapter 3, Title 14, California Administrative Code.
  17. Road improvement projects which are governed by this Order are defined by Findings Nos. 3, 4, 6, and 16. Projects which are not included in this definition are not regulated under this Order.
  18. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that Caltrans, District 9, shall comply with the following:

I. REVIEW PROCEDURES

- A. These waste discharge requirements shall apply to maintenance projects, reconstruction projects, and/or modification projects conducted by Caltrans, District 9 or entities authorized by Caltrans, District 9.
- B. The following types of reconstruction, improvement, and modification projects proposed by the California Department of Transportation, District 9, shall be submitted for review:

CALTRANS, DISTRICT 9  
Mono and Inyo Counties

- 5 -

BOARD ORDER NO. 6-87-57

1. Projects involving demolition or soil disturbance of more than half an acre except for grading of existing shoulder widths and deicing sand reclamation.
2. Projects not described under Finding No. 4 of these requirements, such as culvert installation and bridge repair below the deck.
3. Projects which are not categorically exempt from the provisions of CEQA, such as projects which will involve removal of a scenic resource, and projects which will involve significant expansion of capacity.
4. Projects involving grading or filling within a waterway, 100 year flood plain or a wetland.

No such projects may commence prior to review by the Executive Officer or Regional Board of measures/facilities proposed for siltation and erosion control.

- C. Maintenance projects, as defined in Findings Nos. 4 and 16 of these requirements and excluding those projects described in item I.B above, may be conducted by Caltrans without review by the Regional Board. During routine maintenance work, Caltrans shall use the Best Management Practices for control of siltation and erosion included in Section II.C of these requirements. Caltrans, District 9, maintenance crews shall be instructed in the required implementation of the Best Management Practices. Copies of the Best Management Practices shall be furnished to the Highway Superintendent and road crews and shall be easily available to all Caltrans, District 9, personnel.
- D. Caltrans, District 9, shall notify the Regional Board of any soil disturbance of more than 1,000 square feet proposed by any other entity on lands within District 9 right-of-way. Notification shall be submitted no later than twenty-four hours prior to project commencement.
- E. During any emergency where the public health or welfare is threatened, Caltrans, District 9, is authorized to take corrective action and shall use Best Management Practices for control of siltation and erosion as the situation demands; Regional Board staff shall be notified as soon as practical.

## II. DISCHARGE SPECIFICATIONS

### A. Effluent Limitations

CALTRANS, DISTRICT 9  
Mono and Inyo Counties

- 6 -

BOARD ORDER NO. 6-87-57

1. The discharge of surface flows generated within or as a result of the project to surface waters or stormwater runoff conveyance systems shall not contain any perceptible floating material including but not limited to solids, liquids, foams, and scums.
2. The discharge of surface flows generated within or as a result of the project to surface waters or stormwater runoff conveyance systems shall not contain oils, greases, waxes or petroleum derivatives that cause a visible film or coating on the surface of receiving waters or on objects in the receiving waters.
3. The discharge of surface flows generated within or as a result of the project to surface waters or stormwater runoff conveyance systems shall not contain substances in concentrations that are toxic to, or that produce detrimental physiological responses in humans, plants, animals, or aquatic life.
4. The discharge of surface flows generated within or as a result of the project to surface waters or stormwater runoff conveyance systems shall not contain identifiable chlorinated hydrocarbons, organophosphates, carbamates, and other pesticide and herbicide groups in excess of the lowest detectable levels.

B. Receiving Water Limitations

1. The discharge of surface flows generated within or as a result of the project to surface waters or stormwater runoff conveyance systems shall not cause a violation of the water quality objectives for any surface waters contained in Caltrans, District 9, as listed below:

CALTRANS, DISTRICT 9  
Mono and Inyo Counties

- 7 -

BOARD ORDER NO. 6-87-57

Surface Water	Objective (mg/l)							
	TDS(2)	Cl(3)	SO(4) 4	F(5)	B(6)	NO-N 3(7)	N (8)	PO (9) 4
<u>MONO HYDROLOGIC UNIT</u>	76,000	17,700	11,000	48	348	37		66
	80,700	18,000	12,000	52	355	47		75
June Lake	200						0.3	0.06
	225						0.5	0.08
Reverse Cr. (Gull Lake Inlet)	130					0.1	0.4	0.24
	160					0.1	1.0	0.34
Gull Lake	120						0.3	0.11
	140						0.8	0.17
Reverse Cr. (Silver Lake Inlet)	100					0.1	0.2	0.16
	130					0.1	0.2	0.07
Rush Cr. (S.C.E. Plant)	41					0.1	0.1	0.02
	60					0.1	0.2	0.07
Silver Lake	45						0.1	0.06
	60						0.2	0.09
Rush Cr. (Grant Lake)	58					0.1	0.2	0.07
	70					0.1	0.2	0.09
Grant Lake	37	2.0	4.0	0.10	0.05		0.4	0.07
	46	4.0	8.0	0.20	0.08		0.9	0.15
<u>OWENS HYDROLOGIC UNIT</u>								
Owens River (about East Portal)	110	11.0	5.0	0.40	0.40	0.1	0.2	0.90
	200	16.0	8.0	0.80	0.80	0.1	0.5	3.75
Owens River (below East Portal)	100	6.0	6.0	0.30	0.10	0.5	0.6	0.73
	150	12.0	16.0	0.60	0.40	1.0	1.5	0.94
Mammoth Cr. (at Hwy. 395)	75	1.0	6.0	0.10	0.03	0.4	0.6	0.11
	100	1.4	11.0	0.30	0.05	0.8	1.0	0.22
Convict Creek	85	1.5	11.0	0.05	0.02	0.2	0.3	0.03
	95	3.0	14.0	0.15	0.06	0.4	0.5	0.05

1

100 Upper number represents average value = arithmetic average of all data  
 --- Lower number represents 90 percentile value = only 10 percent of data exceed this  
 200 value

CALTRANS, DISTRICT 9  
Mono and Inyo Counties

- 8 -

BOARD ORDER NO. 6-87-57

Surface Water	TDS(2)	Cl(3)	Objective (mg/l)						PD (9) 4
			SO(4) 4	F(5)	B(6)	NO-N 3(7)	N (8)		
McGee Creek	78	1.1	12.0	0.07	0.02	0.3	0.4	0.02	
	92	3.6	16.0	0.20	0.08	0.4	0.5	0.03	
Hilton Creek	28	0.8	3.0	0.05	0.02	0.3	0.5	0.03	
	34	2.0	5.0	0.10	0.04	0.5	0.6	0.05	
Rock Creek (Round Valley Inlet)	48	1.8	5.0	0.16	0.03	0.4	0.6	0.15	
	70	4.0	7.0	0.30	0.06	0.5	0.7	0.28	
Pine Creek (at Hwy. 395)	140	8.4	35.0	0.45	0.07	0.5	1.0	0.20	
	205	18.0	65.0	0.60	0.15	0.7	1.5	0.40	
Lake Sabarina Inlet)	10	2.0		0.10	0.05	0.2	0.3	0.03	
	17	3.0		0.10	0.05	0.3	0.6	0.05	
Bishop Creek (Intake 2)	27	1.9		0.15	0.02	0.1	0.1	0.05	
	29	3.0		0.15	0.02	0.2	0.4	0.09	
Bishop Creek (at Hwy. 395)	59	2.4	7.2	0.12	0.04	0.5	0.7	0.09	
	105	6.0	12.0	0.30	0.10	0.9	1.0	0.18	
Big Pine Creek (at Hwy. 395)	55	2.0	6.0	0.06	0.03	0.6	0.7	0.03	
	93	4.0	10.0	0.20	0.07	0.9	1.0	0.04	
Owens River (Tinemaha River Outlet)	207	17.9	26.8	0.57	0.61	0.6	0.9	0.32	
	343	42.0	59.0	0.90	1.50	1.1	1.5	0.56	
Black Rock Springs	114	6.3	24.0	0.54	0.11	0.2	0.7	0.13	
	123	8.0	27.0	0.60	0.14	0.4	0.9	0.20	
Independence Creek (gaging station)	80	6.5	15.0	0.10	0.17	0.4	0.6	0.05	
	114	11.0	23.0	0.20	0.26	0.8	1.0	0.09	
Hogbeck Creek	45	2.5		0.10	0.03	0.2	0.4	0.02	
	48	3.6		0.10	0.06	0.3	0.6	0.04	

CALTRANS, DISTRICT 9  
Mono and Inyo Counties

- 9 -

BOARD ORDER NO. 6-87-57

Surface Water	TFR(10)	Cl	SO 4	% NA(11)	B	Total N	Total(12) P
<u>WALKER RIVER</u>							
<u>HYDROLOGIC UNIT</u>							
Topaz Lake	90	4	-	25	0.10	N 0.10	P 0.05
	105	7	-	30	0.20	0.30	0.10
West Walker River at Coleville	60	3	-	25	0.10	0.20	0.02
	75	5	-	30	0.20	0.40	0.02
East Walker River at Bridgeport L.	145	4	-	30	0.12	0.50	0.06
	160	9	-	35	0.25	0.80	0.10
Robinson Creek and all other tribu- tories above Bridgeport Valley	45	2	-	-	-	0.05	0.02
	70	4	-	-	-	0.10	0.03

2. If the constituent concentrations of the receiving waters just above the discharge point exceed the levels in I.B.I., the discharge shall not cause there to be a statistically significant increase (at a 90% confidence level) in the concentrations below the discharge point, over those upstream of the discharge.
3. The discharge of surface flows generated within or as a result of the project to surface waters or stormwater runoff conveyance systems shall not cause the pH in the receiving water to be depressed below 6.5 pH units nor raised above 8.5 pH units nor result in a change in the normal ambient pH level of the receiving water to exceed 0.5 pH units.

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- (2) Total Dissolved Solids
  - (3) Chloride
  - (4) Sulfate
  - (5) Flouride
  - (6) Boron
  - (7) Nitrate Nitrogen as N
  - (8) Total Nitrogen
  - (9) Phosphate as P
  - (10) Total Filtrable Residue (Total Dissolved Solids)
  - (11) Percent Sodium
  - (12) Total Phosphorous

CALTRANS, DISTRICT 9  
Mono and Inyo Counties

- 10 -

BOARD ORDER NO. 6-87-57

4. The discharge of surface flows generated within or as a result of the project to surface waters or stormwater runoff conveyance systems, shall not cause the turbidity in the receiving water to exceed natural levels by more than 10 percent.
5. The discharge of surface flows generated within or as a result of the project to surface waters or stormwater runoff conveyance systems shall not cause: (1) the dissolved oxygen concentrations in the receiving water, in terms of percent saturation, to be depressed by more than 10 percent, or (2) the dissolved oxygen concentration in the receiving water at any time to be less than 80 percent of saturation or less than 7.0 mg/l, whichever is more restrictive.
6. The discharge of surface flows generated within or as a result of the project to surface waters or stormwater runoff conveyance systems shall not cause the natural temperature of the receiving water to be altered unless it can be demonstrated to the satisfaction of the Executive Officer that such alteration in temperature does not create a nuisance or adversely affect beneficial uses of the receiving water. At no time shall the temperature of the receiving water be more than 5 F above natural receiving water temperature.
7. The concentration of settleable material shall not be raised by more than 0.1 milliliter per liter.

C. Best Management Practices

1. Adequate erosion control and stormwater runoff control facilities shall be installed, operated, and maintained to manage discharges from areas where existing ground surface conditions have been disturbed.
2. The discharge of surplus or waste earthen material to drainage ways is prohibited.
3. The placement of waste earthen materials in such a manner as to allow the discharge of any portion of such materials to any surface water is prohibited.
4. There shall be no significant modification of existing drainage ways or existing stream channel geometry except for the purpose of stabilization or enhancement of water quality improvement effects. All modifications of the bed, channel, or bank of a stream require a prior written agreement with the California Department of Fish and Game.

CALTRANS, DISTRICT 9  
Mono and Inyo Counties

- 11 -

BOARD ORDER NO. 6-87-57

5. Disturbed areas shall be adequately restabilized or revegetated. Revegetated areas shall be continually maintained until vegetation becomes established.
6. Surface flows from the subject property shall be controlled so as to not cause downstream erosion at any point.
7. All surplus or waste earthen materials shall be removed from the project site and deposited only at a legal point of disposal or adequately restabilized onsite.
8. During construction of a project, those areas not designated for vehicular traffic or subject to construction shall be marked and protected from soil disturbance.
9. All construction areas subject to vehicular traffic or parking shall be controlled so as to prohibit vehicle encroachment on adjacent land areas not designated for vehicular traffic.
10. Fresh concrete or cement shall not be allowed to contact or enter surface waters.
11. In the Mammoth Creek watershed at elevations above 7000 feet, stormwater runoff collection, pretreatment, and infiltration disposal facilities for areas of completed construction shall be designed, installed, and maintained to preclude a discharge for at least a 20-year, 1-hour storm to the practical limit determined by site conditions.
12. Stormwater runoff handling and disposal facilities shall be periodically cleaned and renovated.
13. Any dewatering of trenches shall be done in a manner so as to eliminate the discharge of soil, silt, clay, sand or other waste earthen materials from the site to nearby surface waters.
14. Drainage collection, retention, and infiltration facilities shall be constructed and maintained to prevent transportation of as much waste as practicable from areas of completed construction.

CALTRANS, DISTRICT 9  
Mono and Inyo Counties

- 12 -

BOARD ORDER NO. 6-87-57

15. Drainage from paved or stabilized areas shall be designed to preclude the conveyance from the project area of any waste materials including, but not limited to, soil, silt, clay, sand, petroleum products, organic materials and trash.
16. Immediately upon completion of an improvement, reconstruction and/or modification project, all shoulders shall be compacted or otherwise stabilized to preclude transport of soils. Slopes greater than 50% within the project area shall be covered with rock or equivalently stabilized using other means.
17. Diversion facilities shall be installed and maintained as necessary to prevent surface waters from contacting concrete that has not set for at least 24 hours or soil disturbed by maintenance, reconstruction and/or modification projects.
18. Initial installation of diversion facilities discussed in C.17. above shall consist of clean materials having exterior surfaces free of soil, silt, sand, or clay. If sand bags are employed, they must be filled with clean materials free of silt, clay, and organic substances.
19. If excessive leakage occurs through and/or beneath any diversion facilities when dewatering is attempted, soil or concrete may be placed to form a secondary barrier, provided that flows bypassing the initial diversion facilities do not contact these substances and that they are completely removed prior to removal or relocation of the initial diversion facilities.
20. Travel of equipment in waters not enclosed by diversion facilities shall be minimal. All equipment surfaces that might contact flowing waters outside of diversion facilities shall be cleaned free of petroleum products and earthen materials.
21. If construction of a rock pad is necessary to prevent erosion due to equipment travel in a surface water or is required for false-work installation, such rock shall be free of soil, silt, sand, clay, and organic materials. After completion of work, rock comprising the pad shall be removed to the maximum practicable extent in such a manner that erosion does not occur. Rock remaining in the watercourse shall not significantly alter normal flow patterns.

CALTRANS, DISTRICT 9  
Mono and Inyo Counties

- 13 -

BOARD ORDER NO. 6-87-57

22. There shall be no removal of vegetation nor disturbance of existing soil conditions except where measures that will prevent discharge of soil to surface waters or storm drainage systems can be installed and operational prior to October 15 of each year except in emergency situations where the public health or welfare is threatened.
23. There shall be no removal of vegetation nor disturbance of existing ground surface conditions at altitudes above 5000 feet between October 15 of any year and May 1 of the following year unless a variance has been granted pursuant to Provision No. 11 of these requirements, except; (1) in emergency situations where the public health or welfare is threatened; and (2) for regrading of existing shoulder widths when there is neither snow on the ground nor an immediate threat of precipitation.
24. Unless a variance has been granted pursuant to Provision No. 11 of this Order, and except in emergency situations where the public health or welfare is threatened, for disturbed areas at altitudes above 5,000 feet, one of the following shall be completed prior to October 15 of each year. Disturbed areas either: (1) shall be revegetated or restabilized; or, if the project is not complete, (2) temporary erosion control facilities which treat discharge sufficiently to prevent violation of the Discharge Specifications of this Order shall be installed.
25. All soil disturbance activities shall cease if adverse weather conditions exist. If the project is operating under a variance granted pursuant to Provision No. 11 of these requirements, adequate temporary erosion control measures shall be taken immediately.
26. The extent of soil disturbance in any project operating under a variance granted pursuant to Provision No. 11 of these requirements shall at no time be greater than that which the temporary erosion control facilities can treat such that discharge specifications of this Order are not violated.

D. General Requirements and Prohibitions

1. The discharge of treated or untreated domestic sewage, industrial waste, garbage or other solid wastes, or any deleterious material to surface waters is prohibited.

CALTRANS, DISTRICT 9  
Mono and Inyo Counties

- 14 -

BOARD ORDER NO. 6-87-57

2. The discharge of oil, gasoline, diesel fuel or any other petroleum derivative is prohibited.
3. The discharge of any toxic chemical or hazardous waste is prohibited.
4. All waste construction materials, demolition wastes, and other inert wastes shall only be discharged at a legal point of disposal.
5. The discharge of waste shall not cause a pollution or threatened pollution.
6. Neither the treatment nor the discharge of waste shall cause a nuisance.

### III. PROVISIONS

1. The discharger shall comply with Monitoring and Reporting Program No. 87-57 and with the "General Provisions for Monitoring and Reporting" as specified by the Executive Officer.
2. The discharger shall immediately notify the Regional Board by telephone whenever an adverse condition occurs as a result of this discharge; written confirmation shall follow. An adverse condition includes, but is not limited to, serious violation or serious threatened violation of waste discharge requirements, significant spills of petroleum products or toxic chemicals, or serious damage to control facilities that could affect compliance.
3. Any proposed material change in the character of the waste, method of disposal, increase of discharge, or location of discharge, shall be reported to this Regional Board. This shall include, but not be limited to all significant soil disturbances and stream channel modifications.
4. The Regional board Office at either Victorville or South Lake Tahoe shall be notified at least 24 hours prior to the commencement of each improvement, reconstruction and/or modification project.
5. The California Regional Water Quality Control Board, Lahontan Region, reserves the privilege of changing all or any portion of this Order upon legal notice to and after opportunity to be heard is given to all concerned parties.
6. For each proposed improvement, reconstruction and/or modification project specified under item 2 of Section I "Review Procedures" above, Caltrans shall submit a completed Report of Waste

CALTRANS, DISTRICT 9  
Mono and Inyo Counties

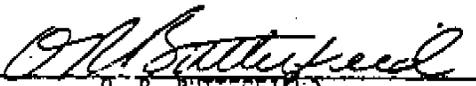
- 15 -

BOARD ORDER NO. 6-87-57

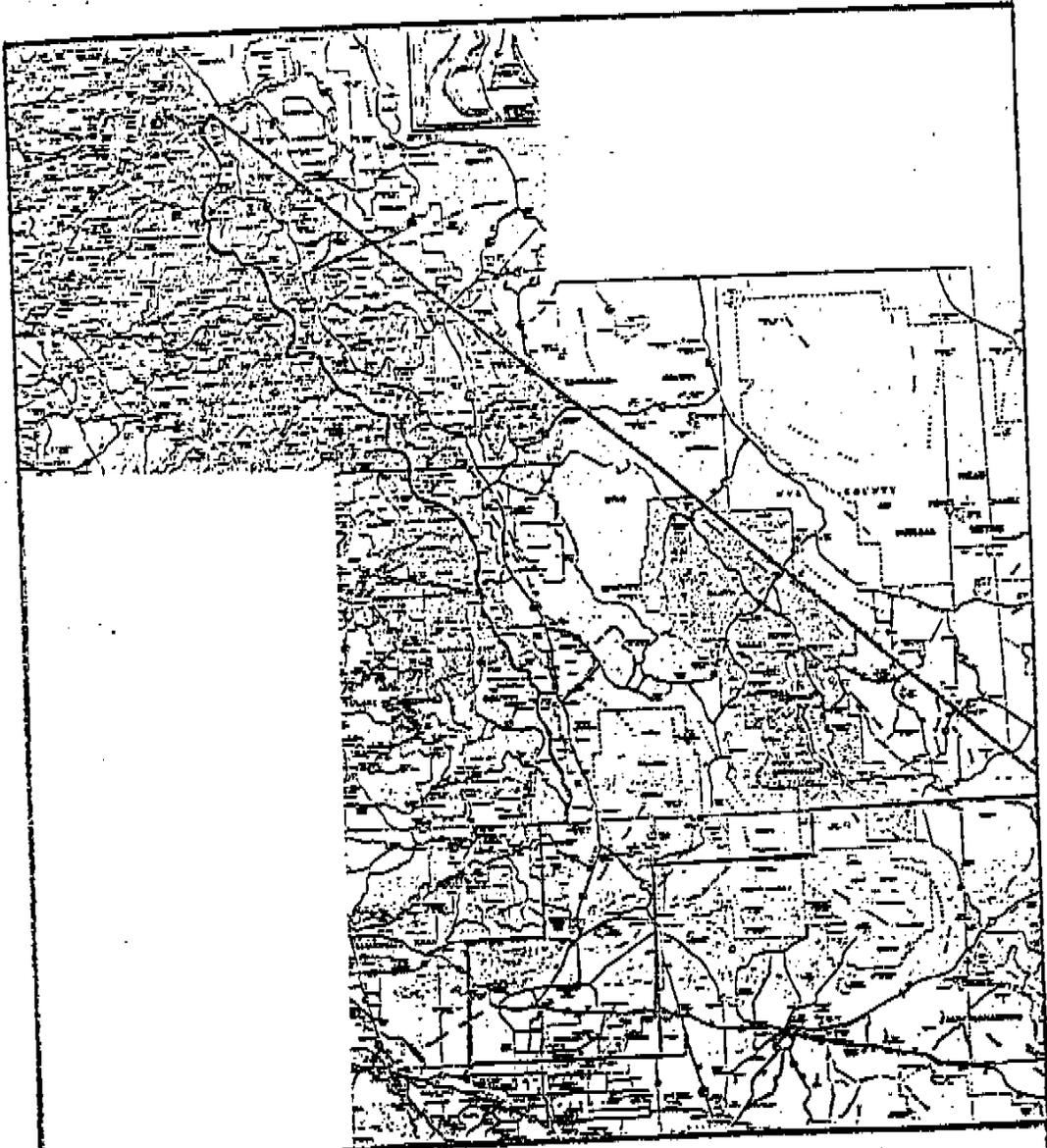
Discharge, Form 200 with a filing fee and a technical report containing information detailing measures which will be taken to assure project compliance with this Order. Such reports shall be submitted at least two (2) weeks in advance of the start of the project.

7. Caltrans shall comply fully with all water quality control measures described in reports submitted in compliance with III.7. above.
8. Caltrans, District 9, shall submit, on an annual basis, a letter certifying that the road crew personnel have been sufficiently instructed on the implementation of Best Management Practices to insure their use within those areas marked on Attachment B. A copy of these Best Management Practices shall be supplied or easily available to all Caltrans, District 9, personnel.
9. A report shall be submitted to the Regional Board no later than (2 months from date of adoption), describing current sanding and salting practices for the state highway system.
10. "Surface waters," as used in this Order, include, but are not limited to, live streams, either perennial or ephemeral, which flow in natural or artificial water courses, and natural lakes and artificial impoundments of waters.
11. A written variance to Discharge Specifications C.23. and C.24. may be granted by the Executive Officer where, in his judgment, it can be demonstrated that the granting of such a variance would not unreasonably affect or threaten to affect water quality.
12. The owner(s) of property subject to waste discharge requirements shall be considered to have a continuing responsibility for ensuring compliance with applicable waste discharge requirements in the operation or use of the owned property. Any change in the ownership or operation of property subject to waste discharge requirements shall be reported to the Regional Board. Notification of applicable waste discharge requirements shall be furnished to the new owner(s) and/or operator(s). A copy of such notification shall be sent to the Regional Board.

I, O. R. Butterfield, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Lahontan Region, on June 12, 1987.

  
O. R. BUTTERFIELD  
EXECUTIVE OFFICER

(Revised 5/87)

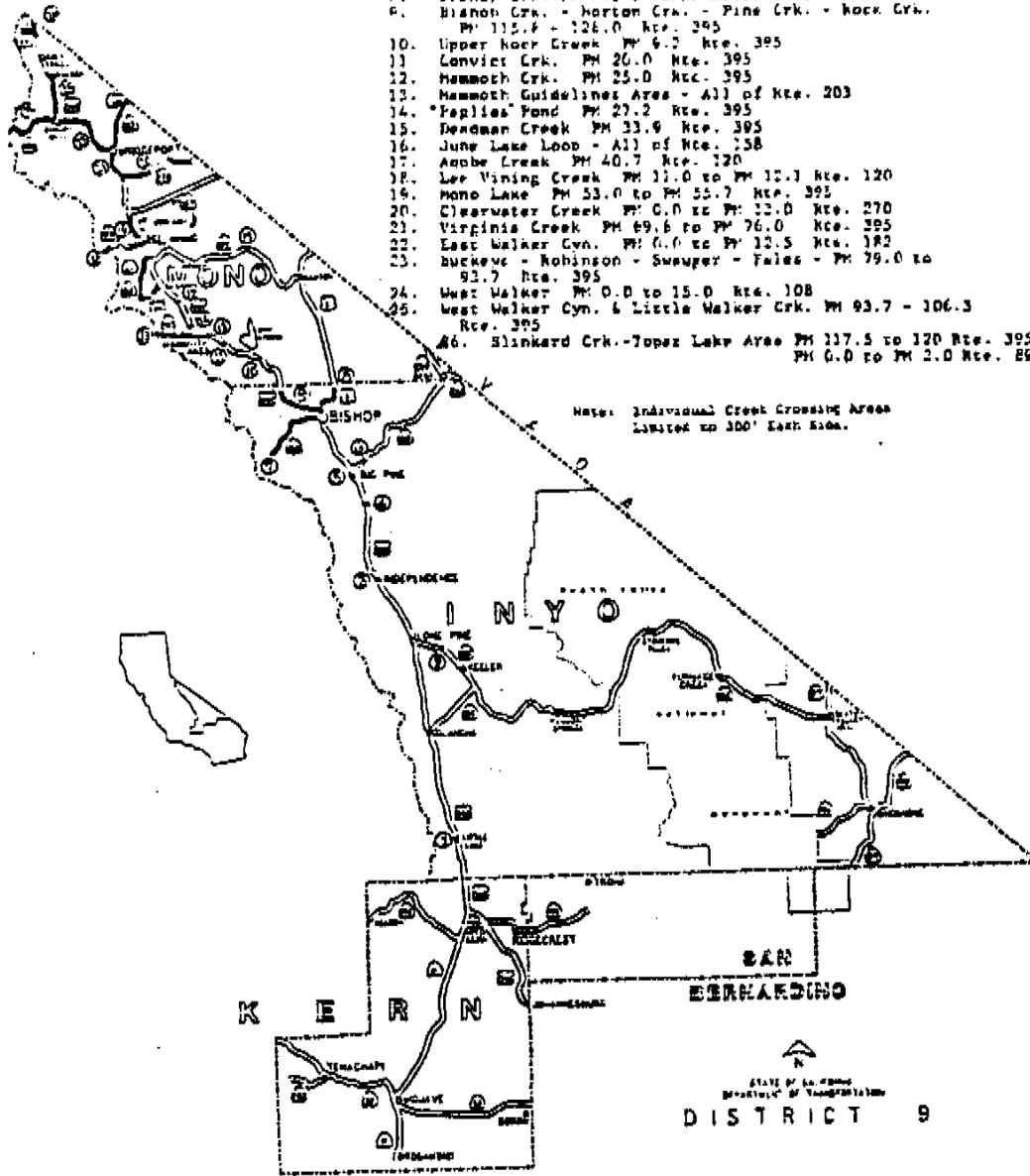


ATTACHMENT "A"  
DEPARTMENT OF TRANSPORTATION  
DISTRICT 9

### Highway Stretches Regulated by these Requirements

1. Little Lake PM 5.5 Kte. 395
2. Owens River PM 2.7 Kte. 136
3. Independence Crk. PM 72.4 Kte. 395
4. Tinemah Crk. PM 92.4 Kte. 395
5. Big Pine Crk. PM 100.5 Kte. 395
6. Owens River PM 16.6 Kte. 166
7. Bishop Crk. PM 0.0 to PM 16.6 Kte. 166
8. Bishop Crk. PM 0.5 to Owens River PM 2.7 Kte. 6
9. Bishop Crk. - Horton Crk. - Pine Crk. - Rock Crk.  
PM 115.4 - 126.0 Kte. 395
10. Upper Rock Creek PM 6.0 Kte. 395
11. Convict Crk. PM 20.0 Kte. 395
12. Mammoth Crk. PM 25.0 Kte. 395
13. Mammoth Guidelines Area - All of Kte. 203
14. Peoples Pond PM 27.2 Kte. 395
15. Deadman Creek PM 33.9 Kte. 395
16. June Lake Loop - All of Kte. 258
17. Adobe Creek PM 40.7 Kte. 120
18. Lee Vining Creek PM 11.0 to PM 12.3 Kte. 120
19. Mono Lake PM 53.0 to PM 55.7 Kte. 395
20. Clearwater Creek PM 0.0 to PM 12.0 Kte. 270
21. Virginia Creek PM 69.6 to PM 76.0 Kte. 395
22. East Walker Cyn. PM 0.0 to PM 12.5 Kte. 182
23. Buckeye - Robinson - Swager - Fales - PM 79.0 to  
93.7 Kte. 395
24. West Walker PM 0.0 to 15.0 Kte. 108
25. West Walker Cyn. & Little Walker Crk. PM 93.7 - 106.3  
Kte. 395
26. Siskard Crk.-Topez Lake Area PM 117.5 to 120 Kte. 395  
PM 0.0 to PM 2.0 Kte. 89

Note: Individual Creek Crossing Areas  
Limited to 300' Each Side.



ATTACHMENT "B"

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LAHONTAN REGION

MONITORING AND REPORTING PROGRAM NO. 87-57

FOR

CALIFORNIA DEPARTMENT OF TRANSPORTATION, DISTRICT 9  
HIGHWAY PROJECTS

Mono, Inyo, Kern and San Bernardino Counties

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I. MONITORING

- A. Where earthen materials are used at road shoulders, in ditches, or on road embankments to replace those materials lost as a result of erosion, at least the following shall be reported for each project area involving over 20 cubic yards of material:
1. source of the replacement materials;
  2. location of the replacement project;
  3. amount of materials imported (cubic yards or cubic meters);
  4. type of replacement material including, at least percent organic matter (volatile solids) and particle size distribution;
  5. means of material placement;
  6. date of placement of such materials; and
  7. measures taken to prevent further loss of materials during future high stormwater runoff events.
- B. Where deposited earthen materials must be removed, such as at landslides, the following shall be reported for each project over 20 cubic yards of material:
1. method of removal;
  2. location of disposal;
  3. amount of materials removed;
  4. location of removal;
  5. date of removal; and
  6. measures used to prevent further loss of materials due to slides or slippage.

CALTRANS, DISTRICT 9  
Mono, Inyo, Kern and  
San Bernardino Counties

- 2 -

MONITORING AND REPORTING  
PROGRAM NO. 87-57

- C. Where sand or salt is used on the highway for deicing purposes, the following shall be recorded for each new source of sand or salt:
1. location of the source for the material; and
  2. type of material, including percent organic matter or volatile solids, particle size distribution (sand only) and elemental makeup (salt only).
- D. The above data shall be recorded in a daily log by California Department of Transportation personnel. The log shall be made available to the Regional Board for review upon request. The location of the daily logs along with the name of a contact person shall be submitted to the Regional Board no later than August 12, 1987.

  
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O. R. BUTTERFIELD  
EXECUTIVE OFFICER

Dated: 7.13.87

(Rev. 5/87)

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LAHONTAN REGION

GENERAL PROVISIONS FOR MONITORING AND REPORTING

SAMPLING AND ANALYSIS

1. All analyses shall be performed in accordance with the current edition of Standard Methods for the Examination of Water and Wastewater, in a laboratory certified to perform such analyses by the California State Department of Health Services or a laboratory approved by the Executive Officer.
2. The discharger shall establish chain-of-custody procedures to assure that specific individuals are responsible for sample integrity from commencement of sample collection through delivery to an approved laboratory. These procedures shall be submitted to the Executive Officer in writing within 30 days of initial sample collection.
3. Effluent samples shall be taken downstream of any addition to the treatment works and prior to mixing with the receiving waters.
4. The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to insure accuracy of measurements, or shall insure that both activities will be conducted.
5. A grab sample is defined as an individual sample collected in fewer than 15 minutes.
6. A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period at equal intervals. The volume of each individual sample shall be proportional to the discharge flow rate at the time of sampling. The sampling period shall equal the discharge period, or 24 hours, whichever period is shorter.

REPORTING

1. For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.
2. The discharger shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; date analyses were performed; sample collector's name; analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board.

GENERAL PROVISIONS FOR MONITORING AND REPORTING  
GENERAL PROVISIONS FOR SAMPLING AND ANALYSIS

3. Monitoring reports shall be signed by:
  - a. In the case of a corporation, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates;
  - b. In the case of a partnership, by a general partner;
  - c. In the case of a sole proprietorship, by the proprietor;
  - d. In the case of a municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.
4. Monitoring reports are to include the following:
  - a. Name and telephone number of individual who can answer questions about the report.
  - b. The Monitoring and Reporting Program Number.

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-60 JF10 100

----- Forwarded by Ron Sekhon/D06/Caltrans/CAGov on 10/16/2000 12:39 PM  
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 Mike Cook  
10/10/2000 08:14 AM

To: Stuart Mager <smager@Graniterock.com>  
cc: Ron Sekhon/D06/Caltrans/CAGov@DOT, Joe Peterson/D03/Caltrans/CAGov@DOT, Terrie  
Bressette/HQ/Caltrans/CAGov@DOT, Hamid Moussavi/HQ/Caltrans/CAGov@DOT  
Subject: Re: lime marination 

Stuart,

Until a test has been developed that can adequately identify moisture sensitive AC mixes, the following guidelines are in use:

1. Potential aggregate sources (not necessarily your aggregate source) that have no history of stripping and have no documented history of being treated with an anti-stripping agent - **Strategy: No treatment required.**

*All DD9 Projects require lime treatment.*

2. Potential aggregate sources that have no documented history of stripping in past Region/District projects. Aggregates have been treated with lime slurry with marination or liquid anti-strip - **Strategy: Specifications should call for past treatment.**
3. Potential aggregate sources that have a documented history of stripping in past Region/District projects. Aggregates may or may not have utilized anti-strip agents - **Strategy: Specifications should call for lime slurry with marination. AASHTO T-283 should not be required.**
4. New or unknown potential aggregate sources, with no obtainable documented history - **Strategy: Specifications should call for lime slurry with marination. AASHTO T-283 should not be required.**

