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7 STATE OF CALIFORNIA  
8 STATE WATER RESOURCES CONTROL BOARD  
9

10 In the Matter of:

**PETITION FOR REVIEW**

11  
12 ADMINISTRATIVE CIVIL LIABILITY  
13 ORDER NO. R1-2012-0034 (REGIONAL  
14 WATER QUALITY CONTROL BOARD,  
NORTH COAST REGION)  
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19 **I. INTRODUCTION**

20 MCM respectfully petitions the State Water Resources Control Board to review the  
21 March 15, 2012 Administrative Civil Liability Order of the North Coast Regional Water Quality  
22 Control Board (“Regional Board”). The Order is not supported by the evidence, or by the plain  
23 terms of the Section 401 water quality certification (“Certification”), and establishes precedent  
24 that will significantly increase the costs and uncertainty of construction in this state.

25 The Regional Board issued the Certification to approve a major highway and bridge  
26 construction known as the Confusion Hill Bypass Project. The project involved the construction  
27 of two bridges across the South Fork Eel River to circumvent a failing section of Highway 101 in  
28 Mendocino County. The Regional Board issued the Certification after the California Department

1 of Transportation ("Caltrans"), the lead agency, approved the project and adopted mitigation.  
2 The Certification was brief for a project of this scope. It comprised only nine pages and  
3 contained 20, largely boilerplate, conditions.

4 The Certification, by its nature and its terms, allowed Caltrans and its contractors to  
5 select appropriate best management practices ("BMPs") to protect water quality, and did not  
6 specify what BMPs should be selected. Caltrans' primary contractor, MCM Construction, is an  
7 experienced bridge builder and has constructed hundreds of bridges in the state, including in the  
8 North Coast Region. Caltrans and MCM applied their combined experience and devoted a  
9 considerable effort to the BMPs for the project. MCM testified that more resources were  
10 devoted to BMPs than any other project in the company's history.

11 The bridges, completed in July 2009, are a major achievement. The bridges have won  
12 accolades for their design and appearance. More importantly, they allow Highway 101 – a major  
13 transportation corridor and known as the "lifeline" of the North Coast region – to remain open  
14 year-round by rerouting the highway around an unstable section that slid regularly each winter,  
15 cutting off access to the North Coast region. Most importantly, the bridges were completed after  
16 three years of successful construction that ended without any major spills, upsets or adverse  
17 impacts to the Eel River's water quality or beneficial uses.

18 As construction concluded, however, Regional Board staff members were already  
19 pouring over thousands of pages of Caltrans' engineering logs, biological monitoring reports,  
20 notes, memoranda, correspondence and photographs, for what only can be described as any shred  
21 of evidence that the construction process did not conform in any conceivable way with staff's  
22 expectations regarding what the Certification required.

23 The resulting Administrative Civil Liability Complaint ("Complaint") alleged 296  
24 violations of the Certification and Caltrans' Storm Water Permit, for a total proposed civil  
25 liability of \$1,511,000. The Complaint embraced a liberal, "anything goes" approach to identify  
26 violations, rather than judiciously parsing the facts, or alleging violations based only upon  
27 substantial and credible evidence.

28 MCM appreciates the efforts made by the Regional Board to address the Complaint's

1 overreaching. The Order eliminated many alleged violations, and reduced the civil liability to a  
2 total of 42 violations for \$405,000 (to this, the Order added staff costs of \$70,182). Ultimately,  
3 however, the manner in which the Order interpreted the Certification still presents an untenable  
4 precedent for California builders on future projects.

5 The Certification, in this regard, was a highly generalized document. It contained  
6 "boilerplate" language that could be used interchangeably with other projects, and virtually no  
7 specific guidance for how construction must proceed or what BMPs were to be used. The nature  
8 and terms of the Certification left it to Caltrans and its contractors to exercise their professional  
9 judgment. Now, after construction has ended, the Regional Board staff has interpreted the terms  
10 of the Certification in ways not supported by its plain terms, that precludes the exercise of  
11 Caltrans' professional judgment, and which could not have been reasonably foreseen by Caltrans  
12 or its contractors.

13 Caltrans and MCM, like others in the California construction industry, require  
14 consistency in the interpretation and application of regulatory requirements. The Order prevents  
15 consistency by allowing after-the-fact interpretations of Section 401 conditions that deviate from  
16 their terms. The wasteful effects of this process have been felt by all concerned in this case. By  
17 February 2011, months before even the initial hearing, the Prosecution Team<sup>2</sup> claimed in written  
18 declarations to have spent 980 hours on this proceeding. In the time since, there have been two  
19 hearings, pre-hearing meetings, evidentiary rulings, and the time devoted by the Regional Board  
20 to sort through it all. There can be no doubt that collectively among the parties, there have been  
21 thousands of man-hours and hundreds of thousands of dollars spent on this proceeding. The  
22 Petition is to ensure that this process is not repeated.

## 23 **II. ACTION SUBJECT TO REVIEW**

24 The action subject to review is Administrative Civil Liability Order No. R1-2012-0034  
25 ("Order"). The North Coast Regional Water Quality Control Board issued the Order on March  
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27 <sup>2</sup> The proceeding involved the typical separation of functions within the Regional Board's staff to ensure due  
28 process. The "Prosecution Team," tasked with prosecuting the Complaint, was comprised of one set of Regional  
Board attorneys and staff members, while the "Advisory Team" was a different group of attorneys and staff  
members which evaluated the allegations and advised the Regional Board members.

1 15, 2012. All substantive issues and objections raised in this Petition were raised before the  
2 Regional Board.

### 3 **III. MANNER IN WHICH PETITIONER IS AGGRIEVED**

4 MCM Construction is aggrieved because it may, based on its contractual relationship  
5 with Caltrans, be required to pay some part of any civil liability imposed on Caltrans. MCM also  
6 is aggrieved because the manner in which the Certification was prepared, interpreted and  
7 enforced would, if repeated for other projects, significantly increase the cost and risk of  
8 construction in this state without any corresponding environmental benefit.

### 9 **IV. BACKGROUND**

10 Because the administrative record has not been fully compiled, citations in this Petition  
11 refer to the individual document by title.

12 The Confusion Hill Bypass Project was the permanent relocation of Highway 101 from  
13 the east side of the South Fork Eel River to the west side, in Mendocino County. Relocation was  
14 necessary due to an ongoing Highway 101 landslide. The former highway alignment passed  
15 through an ancient but active landslide.

16 Slides and debris flows frequently closed this segment of Highway 101. During the  
17 2002-2003 winter season, for example, the highway was closed on ten occasions due to slides or  
18 safety concerns. Closure meant a 250-mile detour to connect the North Coast region with areas  
19 to the south because Highway 101 was the only major north-south corridor. The Environmental  
20 Impact Statement ("Final EIS") estimated that closure would cost millions of dollars each month  
21 in delays, vehicle costs, and economic hardship. (Final EIS, p. vi.) The bridges were therefore  
22 listed as an "emergency" project and built on an expedited schedule. (Application, p. 1.)

23 The project involved the construction of two large bridges spanning the South Fork Eel  
24 River canyon and a new section of highway to link the new bridges. The south bridge is a 1,355-  
25 foot long, cast-in-place, pre-stressed box girder structure spanning 225 feet over the center of the  
26 river. The north bridge is a 580-foot long, pre-cast, box girder structure, with foundations 150  
27 feet over the river. Both bridges were designed with piers that fully spanned the 100-year  
28 floodplain to avoid permanent impacts to the South Fork Eel River.

1 Construction was subject to a labyrinthine and overlapping group of permitting  
2 documents. Caltrans' construction was subject to a statewide NPDES permit (Order No. 99-06  
3 DWQ). The permit required the use of best management practices ("BMPs") meeting the "best  
4 conventional technology" standard for conventional pollutants (such as sediment) and the "best  
5 available technology" standard for toxics pollutants. (Application, p. 5.) Additionally, Caltrans  
6 was subject to an NPDES permit for "Discharges of Storm Water Associated with Construction  
7 Activities" (Order No. 99-08-DWQ). This permit required a Storm Water Pollution Prevention  
8 Plan ("SWPPP") and the use of construction BMPs to protect water quality. (Application, p. 5.)  
9 Caltrans has adopted and maintains a march 2003 Construction Site Best Management Practices  
10 Manual ("BMP Manual") that lists numerous approved BMPs to be applied under both permits.  
11 Some approved BMPs were used to support the violations here.

12 The Certification represented an additional layer of requirements. The Regional Board  
13 issued the Certification on February 16, 2006, based on information that Caltrans had provided to  
14 the Regional Board in a December 15, 2005 application ("Application"). The Application listed  
15 a number of specific BMPs that would be used, and stated that Caltrans also would be following  
16 its BMP Manual and the approved BMPs listed there for sediment and turbidity. (Application, p.  
17 13.) The Certification incorporated these BMPs via Condition 17, which stated: "All activities,  
18 BMPs, and associated mitigation will be conducted as described in this Permit *and the*  
19 *application submitted by the applicant for this project.*" (Emphasis added.)

20 It was no surprise that construction would occur in the river channel itself. The  
21 Application was clear that activities in the South Fork Eel River would include the installation of  
22 temporary trestles, i.e., temporary platforms designed to accommodate heavy equipment such as  
23 cranes, or support the bridge falsework. Temporary trestles in turn required numerous piles to be  
24 placed in the river channel to serve as foundations for the trestles. Constructing the foundations  
25 usually meant placing coffer dams in the active river and dewatering the coffer, as described in  
26 the Application. The Application also stated that a number of vehicle crossings over the river  
27 would occur. (See Application, pp. 5-10.)

28 There also was no question that increased sedimentation and turbidity would result from

1 construction. The Final EIS for the project stated that vehicle crossings in the river, pile driving  
2 and other work in the river would generate “temporary adverse impacts to water quality.” (Final  
3 EIS, p. 68.) The Application was also straightforward that construction would cause “temporary  
4 increases in turbidity.” (Application, p. 8.) The Application, accordingly, stated that BMPs to  
5 minimize temporary impacts would be used.

6 As mitigation for these impacts, Caltrans paid compensation by funding a habitat  
7 improvement project. The Certification described the mitigation: “To compensate for potential  
8 impacts to salmonids as a result of the Confusion Hill Bypass construction activities, the  
9 applicant will fund a project to improve fish passage through the culvert at Red Mountain  
10 Creek,” which was near the construction site. (Certification, p. 4; see also Application, pp. 13-  
11 14.) The cost of the mitigation to Caltrans is estimated to be over \$450,000.

12 Bridge construction commenced in June 2006 and continued over a three-year period to  
13 July 2009. During construction, Caltrans and MCM made certain changes to the original design  
14 that served to reduce the level of impacts below even what was contemplated in the Application.  
15 For example:

16 • The construction process used far fewer temporary piles than outlined in the  
17 Application, by using heavier footings for the temporary trestles. The Application described up  
18 to 50 temporary piles in the live stream, involving over 4,200 cubic yards of concrete. As built,  
19 only six piles were installed using 12 cubic yards of concrete.

20 • The original plans contemplated that an access road would be built down into the  
21 river channel to allow equipment to enter and exit the work area. The access would have  
22 required a 25-foot wide earthen ramp, over 1,100 cubic yards of earth, and the removal of mature  
23 trees and riparian habitat. Caltrans and MCM avoided the ramp, and the associated impacts, by  
24 instead using a crane to lower and raise equipment to the work area from the trestle deck.  
25 MCM’s June 23, 2011 visual presentation (hereinafter, “Visual Presentation”) illustrates this use  
26 of the trestle deck on slides 18-19.

27 The construction ended without major operational upsets or unexpected impacts to  
28 beneficial uses, and ultimately, the impacts were successfully limited to temporary increases in

1 construction-related turbidity.<sup>3</sup> Moreover, due to the changes made, the degree and extent of  
2 impacts was significantly less than what was envisioned when the project was approved.

3 In August 2009, the Regional Board presented Caltrans with the Administrative Civil  
4 Liability Complaint. The Complaint alleged 296 separate violations of the 401 Certification and  
5 the Storm Water Permit, and sought a total of \$1,511,000 in civil liability. For reasons not made  
6 entirely clear by the Prosecution Team, the period of liability spans only the first building season  
7 beginning in the fall of 2006, although the Prosecution Team hinted in the June 23, 2011 hearing  
8 that a future administrative civil liability complaint could be issued for later periods of the  
9 construction.

10 On June 23, 2011, the RWQCB conducted a full-day evidentiary hearing, with  
11 presentations from the RWQCB Prosecution Team, Caltrans, and MCM. On February 15, 2012,  
12 the RWQCB distributed a draft Order for review. Caltrans, MCM, and the Prosecution Team  
13 each submitted written comments on February 29, 2012. After a series of revisions, the Regional  
14 Board formally adopted the Order on March 15, 2012.

#### 15 **V. WHY ACTION IS INAPPROPRIATE OR IMPROPER**

16 This Petition is organized to track the categories of violations in the same general  
17 sequence as presented in the Order.

##### 18 **1. Construction Dewatering Violations (Category "A")**

19 The first category of administrative civil liability, Construction Dewatering violations,  
20 asserts that Caltrans violated the Certification by using portions of the gravel bar adjacent to the  
21 Eel River for construction dewatering.

22 As follows, the Certification, by its terms, permitted the use of dewatering basins on the  
23 gravel bar, and Caltrans and MCM had a reasonable expectation that the activity was permissible  
24 under the Certification. The Order adopts an interpretation of the Certification that not only is

25 <sup>3</sup> The Order suggests that beneficial uses may have been impacted by the use of a sedimentation basin for  
26 construction dewatering because two yellow-legged frogs and one pikeminnow in that basin might have been lost or  
27 displaced. (Order, p. 8.) Before the June 23, 2011 hearing, however, staff testified in deposition that they knew of  
28 no impacts to wildlife. The Order also states that the frogs were lost as a result of rock debris, not from dewatering.  
(Order, p. 8.) In any event, it is clear that impacts to aquatic life were not a major factor in the calculus to pursue  
civil liability.

1 irreconcilable with its plain terms, but also puts certain provisions in direct conflict.

2 Dewatering basins were a key component of the construction process. The project  
3 allowed up to 50 excavations in the river channel to install temporary foundations to support the  
4 bridge falsework and trestles. (For foundations in the wetted river, it was necessary to pump  
5 water from the excavations before installing the foundation. Caltrans was not permitted to pump  
6 water directly into the river because the water was often turbid from disturbing the silted river  
7 bottom. Instead, water was sometimes pumped (or "dewatered") to a sedimentation basin on the  
8 gravel bar known as "Isolated Pool B." Isolated Pool B was set apart from the wetted river on a  
9 dry portion of the gravel bar where it intersected the canyon wall.

10 Only one condition in the Certification expressly mentions dewatering, Condition 12,  
11 although the Order found that dewatering was controlled by four different conditions, numbers 7,  
12 9, 12 and 17. These conditions, quoted below, allow construction dewatering where appropriate  
13 BMPs are used, but do not specify where dewatering must occur other than water may not be  
14 disposed of to "surface waters":

15 Condition 7 provided:

16 Adequate BMPs for sediment and turbidity control shall be  
17 implemented and in place prior to, during, and after construction in  
18 order to ensure that no silt or sediment enters surface waters.

18 Condition 9 provided:

19 No debris, soil, silt, sand, bark, slash, sawdust, rubbish, cement or  
20 concrete washings, oil or petroleum products, or other organic or  
21 earthen material from any construction or associated activity of  
22 whatever nature, other than that authorized by this permit, shall be  
23 allowed to enter into or be placed where it may be washed by  
24 rainfall into waters of the State.

23 Condition 12 provided:

24 If construction dewatering is found to be necessary, the applicant  
25 will use a method of water disposal other than disposal to surface  
26 waters (such as land disposal)...

25 Condition 17 provided

26 All activities, BMPs, and associated mitigation will be described in  
27 this Permit and the application submitted by the applicant for this  
28 project.

1 The Application, in contrast to the general terms of the Certification, provided exactly  
2 how construction dewatering would occur. The Application stated that construction dewatering  
3 would take place on portions of the gravel bar:

4 Project specifications developed for this project will prohibit any  
5 direct discharges to the SFER and/or its tributaries for construction  
6 de-watering activities. *It is proposed to utilize portions of the  
7 gravel bar for construction de-watering during the dry season.  
8 Temporary sedimentation basins would be located a minimum of  
9 100 feet from the live stream channel.*

10 (Application, p. 9, emphasis added.)

11 This specification was incorporated within the Certification through Condition 17, which  
12 required compliance with all “activities” and “BMPs” in the Application. Thus, under Condition  
13 17, this part of the Application was made a requirement of the Certification. The use of Isolated  
14 Pool B also was fully consistent with conditions 7, 9 and 12. Under Condition 9, using the  
15 gravel bar was “authorized by this permit” because it was authorized under Condition 17. Using  
16 Isolated Pool B was consistent with Condition 7 because the basin was a “BMP[] for sediment  
17 and turbidity control.” Under Condition 12, dewatering to the dry gravel bar was “land  
18 disposal,” not disposal to “surface waters,” and therefore allowable. Thus, the use of the gravel  
19 bar for construction dewatering complied with all of the pertinent conditions.

20 The Order mentions a number of reasons for why dewatering on the gravel bar was not  
21 permitted, but none fit the language of the Certification.

22 First, the Order states, incorrectly, that Condition 12 prohibited dewatering to “waters of  
23 the state.” (Order, p. 7.) The term “waters of the State” does not exist in Condition 12, however.  
24 Condition 12 prohibits only discharges to “surface waters.” “Surface waters” is not defined in  
25 the Certification nor has the Regional Board provided any accepted definition for that term.  
26 Based on Webster’s dictionary definition of the term “surface” (“...the exterior or upper  
27 boundary of an object or body [on the *surface* of the water]...”), the phrase “surface waters”  
28 logically and rationally means only waters which are present and have a surface, which does not  
include a dry gravel bar.

Second, the Order asserts that Condition 9 “prohibited any discharge of waste to waters

1 of the state not authorized by the permit.” (Order, p. 7.) For the reasons just explained,  
2 however, dewatering to the gravel bar was authorized by Condition 17, which incorporated the  
3 terms of the Application. As between Condition 17 and other conditions, Condition 17 took  
4 precedence under the well-established legal rule that, as between general and specific  
5 requirements, specific provisions take precedence over general ones. (See *Singh v. Superior*  
6 *Court* (2006) 140 Cal.App.4th 387, 399.) Because Condition 17 is the most specific direction as  
7 to where dewatering would occur, it takes precedence over other conditions.

8 Third, the Order indicates that Condition 7 was not satisfied because it required  
9 “[a]dequate BMPs for sediment and turbidity control.” This overlooks the fact that Isolated Pool  
10 B was itself a BMP that provided sediment and turbidity control. Isolated Pool B was placed 70  
11 feet from the river in a lateral direction and 137 feet from the river measured downgradient, as  
12 shown by MCM at the June 23, 2011 hearing. (Visual Presentation, Slide 5.) MCM submitted  
13 testimony from a certified hydrogeologist that this location was sufficiently far from the river for  
14 Isolated Pool B to function as an effective BMP. (Transcript, 216:18-217:23.)

15 In this regard, the Order indicates that the Certification prohibited the use of Isolated Pool  
16 B because it was not a minimum of 100 feet from the active river, pursuant to the Application.  
17 Such heavy reliance on this minimum distance is unwarranted. There were no specific technical  
18 reasons supporting this minimum distance; the Application merely assumed that it was possible  
19 to put a basin on the gravel bar at least 100 feet from the river. Because the width of the canyon  
20 did not allow it, MCM testified that Isolated Pool B was placed as far from the river as possible.  
21 (Transcript, 215:17-216:11.) The Regional Board’s staff also testified in deposition that the 100-  
22 foot distance was not critical and the Certification would have issued even if the Application said  
23 the basin would be a minimum of 70 feet from the river rather than 100 feet.

24 Q. A few minutes ago we talked about isolated Pool B. I have  
25 a couple of questions about that. If I understood your  
26 testimony right, you said that there's nothing special about  
27 the 100-foot distance that was included in the Application  
28 here. That was what Caltrans included in the Application  
and the Board approved it; is that right?

A. Yes.

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Q. And you, also, mention that the Regional Board, in all likelihood, have approved shorter distances than 100 feet in other situations?

A. Yes.

Q. Knowing that there's nothing special about the 100 foot distance here, and also knowing that the Board has probably accepted less than 100 feet in other situations, if, back at the time of the Application, Caltrans would have said: "The furthest we could put away a basin within the gravel bar in the work area is 70 feet," would there be any reason, from your standpoint, to disapprove that request?

A. No.

(Transcript of Deposition of Dean Prat, 53:24-54:19.)

The most basic problem with the Order, however, is that if the Certification was meant to prohibit any dewatering on the gravel bar, it could have clearly stated that in the Certification. Instead, staff made no effort to expressly bar the activity, even though the Application read by staff reflected Caltrans' clear plans to use the gravel bar for dewatering.

This exemplifies the problem with the Order. The Certification appeared to allow Caltrans and its contractors to engage in activities that are typical of the construction process, and the Regional Board has interpreted the Certification in ways that improperly withdraws such authorization after the construction has been completed.

**2. Leaky Equipment (Category "B")**

The "Leaky Equipment" violations hold Caltrans to requirements that do not appear in the plain language of the Certification. These violations are based on the Regional Board's opinion that Caltrans did not maintain equipment in an acceptable manner to prevent fluid leaks, notwithstanding that for most of these violations no fluid discharges were proven.

The Order relied on two provisions of the Certification, Conditions 9 and 13. Beginning first with Condition 9:

No debris, soil, silt, sand, bark, slash, sawdust, rubbish, cement or concrete washings, oil or petroleum products, or other organic or earthen material from any construction or associated activity of whatever nature, other than that authorized by this permit, shall be allowed to enter into or be placed where it may be washed by rainfall into waters of the State.

1 The issue before the Regional Board was whether this provision was violated despite that,  
2 for three of four of the violations in this category, fluid leaks were immediately caught or  
3 captured by BMPs before any discharge to the river or ground occurred. The three events were:

- 4 • On October 6, 2006, biological monitoring notes indicate that no discharge  
5 occurred and that BMPs (absorbent materials, plastic tarps, etc.) captured fluids.
- 6 • On October 27, 2006, biological monitoring notes contain general criticism of  
7 equipment maintenance but reveal no discharges.
- 8 • On November 3, 2006<sup>4</sup>, Caltrans' records observed that BMPs were being used  
9 and again did not record any discharges.

10 MCM asserted at the hearing that where tarps, sheeting or similar BMPs prevent a fluid  
11 leak from discharging to the ground or river, no violation of Condition 9 exists. This is because  
12 fluids have not been "allowed to enter into" waters of the State, nor have they been "placed  
13 where it may be washed by rainfall" into waters of the State because tarps, etc., are routinely  
14 disposed of. It must be noted that the Regional Board staff agreed with this precise interpretation  
15 while testifying in deposition:

16 Q. So if the leak is captured so to speak through the use of  
17 BMPs, is that a condition that would violate the  
certification?

18 A. If it is indeed a BMP, then – you know, it's difficult to  
19 answer a hypothetical not looking at a specific situation,  
20 but in general, the purpose of BMPs is to protect the water  
21 quality objectives, and if it is functioning properly, then the  
22 water quality objectives have been protected, and it would  
23 have prevented this, a discharge.

24 Q. So if I can correctly describe your answer, is it your  
25 testimony, then, that if equipment leaks but that leak is  
26 completely captured through BMPs, then there is no  
27 violation of the certification?

28 A. Correct.

MCM therefore submits that it was error for the Order to conclude that Condition 9 is  
violated where equipment fluid leaks are immediately caught or captured by BMPs, because the

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<sup>4</sup> The date in the Proposed Order is incorrect. The November 3 event was listed as November 6.

1 interpretation is not supported by the plain language of Condition 9.

2 Next, the Order relied on Condition 13, which provides:

3 Fueling, lubrication, maintenance, storage and staging of vehicles  
4 and equipment shall be outside waters of the United States and  
5 operation of vehicles and equipment shall not result in a discharge  
6 or a threatened discharge to waters of the United States. At no  
7 time shall the applicant use any vehicle or equipment that leaks  
8 any substance that may impact water quality.

9 The Order assumed that Condition 13 was violated where Caltrans or its contractors  
10 poorly maintained equipment. This does not fit with the plain language of Condition 13. Poor  
11 maintenance is not synonymous with a "threatened" discharge, and nothing in Condition 13  
12 allows a post-project critique of equipment maintenance practices where no discharge is  
13 involved. The statement in Condition 13 that prohibits equipment that "leaks any substance that  
14 may impact water quality" must also be interpreted in light of the reality that fluid leaks from  
15 heavy construction equipment are unavoidable. This was established by MCM's expert  
16 testimony. (Transcript, 235:15-236:10.) A contractor acts responsibly and reasonably by  
17 ensuring that additional BMPs are in place (such as plastic sheeting, spill kits, absorbent  
18 materials, etc.) to capture any leaks that may occur, which occurred here.

19 Even if the Certification could support a violation based upon poor maintenance, the  
20 evidence does not establish that there was a "chronic problem" with maintenance. (Order, p.14.)  
21 Such a finding typically requires specialized knowledge which is the realm of expert testimony.  
22 No expert testimony, declarations or reports, of any type, were offered to support these  
23 violations. Rather, this element of the Order is based on notes written by the biological monitors  
24 assigned by Caltrans to the project.

25 For several reasons, the biological monitors' notes do not constitute "credible" or  
26 "reasonable" evidence to support the finding that a chronic problem existed with equipment  
27 maintenance. (*Order No. WQ 85-7 (Exxon, Co., U.S.A.)* ["There must be substantial evidence to  
28 support a finding of responsibility... This means credible and reasonable evidence which  
indicates the named party has responsibility"].)

First, the Order gives the biological monitors' notes the force of expert opinion without

1 any showing that the biological monitors possessed expert qualifications. There is no basis in the  
2 record to suppose that these individuals were trained, experienced or versed in heavy equipment  
3 in any way to qualify them to offer a credible opinion on the quality of equipment maintenance.  
4 As such, it was inappropriate for the Order to afford their opinion statements such weight.

5 Second, such heavy reliance on the biological monitors' written notes violates due  
6 process because such individuals were not present at the hearing, there was no opportunity for  
7 cross-examination and they did not provide any statements or affidavits. The right to cross-  
8 examination is a primary tenet of due process that was not given effect here. In light of the  
9 heavy reliance on the notes to demonstrate "chronic problems" (Order, p. 14) with equipment, it  
10 was error for the Regional Board to accept these opinions statements without the biological  
11 monitors being available for cross-examination.

12 Third, the Regional Board improperly ignored testimony from MCM which rebutted the  
13 allegations of poor maintenance. MCM testified that in light of the sensitivity of the site, MCM  
14 took an unprecedented step of having a full-time mechanic at the site to keep equipment in good  
15 working order, and other precautions such as daily equipment checks and removing equipment  
16 from the site when appropriate:

17 Q. ... There are two Caltrans Standard BMPs that apply here. One is  
18 NS13, which says basically to follow NS10, and if leak in line  
19 can't be repaired, move equipment from over water. NS10 says,  
20 essentially, to inspect vehicles each day of use, repair problems  
immediately or move equipment from the project site. So, Mr.  
Paine, what did MCM do to comply with these BMPs?

21 A. Well, the first one was that we had a full time mechanic on this  
22 project. We do not have full time mechanics on hardly any of our  
23 projects. On this particular project we decided to have one here so  
24 that because of the high profile area, and we wanted to be able to  
25 address any sort of equipment concerns immediately. Some of the  
26 other items that we do on a daily basis is our operators and oilers,  
our trained operators and oilers have to fill out an equipment  
maintenance log before they fire up the equipment every morning.  
Every morning that equipment log goes to the mechanic onsite  
who checks it out to make sure if there is anything that needs to be  
done. The list also goes to our main office mechanics who review  
the list to make sure that there is nothing wrong.

27 And we always have -- the maintenance area for this  
28 project was probably about a quarter mile away from the river. It  
was up by our fueling facility by our office is where we did most  
of the mechanic work. And we also had spill kits. Almost every

1 pick up on the job had a spill kit in it, and we also had the storage  
2 van, as you see in some of these pictures down here, the shed that's  
3 down on the river bar, it also had all kinds of spill kits in it.

4 And we also have a training program, and there are oilers  
5 that we have to hire through the unions, and in order to be even  
6 hired as an oiler you have to go through a training program to be --  
7 to know how to oil and to take care of equipment.

8 Q. Were there any instances where you actually removed equipment  
9 from the project site?

10 A. Yeah. We had -- we had one backhoe that was having some  
11 problems. The mechanic went down there to fix it. He did get it  
12 fixed once. It happened again, and that piece -- that backhoe ended  
13 up being removed from the project.

14 (Transcript, 233:19-235:12.)

15 Finally, it must be recognized that the biological monitors did not create their notes  
16 expecting them to be used as evidence in a civil liability proceeding. Their observations of site  
17 conditions tended to be succinct, without the rigor or detail to provide the main support for civil  
18 liability, at least not without accompanying testimony to provide an appropriate foundation and  
19 explain the circumstances surrounding their observations.

20 In summary, the biological monitors' statements did not constitute reasonable or credible  
21 evidence that equipment displayed "chronic problems," and as a result the record does not  
22 support the findings.

### 23 3. Turbid Discharges to River (Category "D")

24 The Turbid Discharge violations hold builders to an impossible standard that does not  
25 represent a reasonable interpretation of the Certification. Condition 7 of the Certification  
26 required that Caltrans and its contractors use adequate BMPs for sediment and turbidity control:

27 Condition 7:

28 Adequate BMPs for sediment and turbidity control shall be  
implemented and in place prior to, during, and after construction in  
order to ensure that no silt or sediment enters surface waters.

The Order skips to the last line of Condition 7 and focuses on the phrase: "...to ensure  
that *no silt or sediment enters surface waters.*" (Order, p. 16, italics in original.) From this, the  
Order appears to have adopted a zero-turbidity standard that regarded any turbidity as a violation  
without regard to the adequacy of the BMPs. That interpretation makes no sense in light of the

1 nature of the project and the information given to the Regional Board before the Certification  
2 was issued.

3 Turbidity from construction was plainly unavoidable in a bridge project of this  
4 magnitude. Accordingly, the Final EIS prepared by the U.S. Department of Transportation and  
5 Caltrans for the project was clear that “temporary adverse impacts to water quality” would result  
6 from “temporary water crossings, pile driving and other construction activities in the  
7 floodplain/river.” (Final EIS, p. 68.) Similarly, before the Certification was issued, the  
8 Application made it clear to the Regional Board’s staff that the construction process would result  
9 in temporary increases in turbidity: “Pile installation may cause temporary increases in turbidity.  
10 These increases would be minor and of short duration.” (Application, p. 8.)

11 Thus, a Certification prohibiting all turbidity whatsoever would have made the project  
12 unbuildable. It must be assumed that the Regional Board’s staff intended to approve the project,  
13 however; thus, a zero-turbidity standard is not a tenable interpretation. The Order should instead  
14 have considered the entirety of Condition 7, including the requirement for “[a]dequate BMPs for  
15 sediment and turbidity...” In its entirety, the only reasonable and tenable interpretation is that the  
16 Certification required “adequate BMPs” for turbidity and did not impose a zero-turbidity  
17 standard.

18 The four violations in this category, summarized below, involve exactly the types of  
19 construction-related turbidity that were expected to occur during construction. The record shows  
20 clearly that BMPs were in place for each of these events:

21 September 9, 2006:

22 This violation is based on the turbidity adjacent to a corrugated metal pipe (“CMP”)  
23 foundation in the wetted river. CMPs were partially constructed of concrete, and once installed,  
24 they would be drilled to secure steel plates to attach to the trestle deck supports. The violation  
25 was based on reports from the biological monitor that debris from the drilling activity entered the  
26 river and created turbidity.<sup>5</sup>

27 \_\_\_\_\_  
28 <sup>5</sup> Notably, MCM testified that turbidity also could have been created by drill vibrations and mobilization of bottom  
sediments.

1 The record shows that MCM used BMPs to control drilling debris. The Assistant  
2 Structure Representative's Daily Report explained that MCM was using "baffles" to minimize  
3 the debris. (September 11, 2006 Assistant Structure Representative's Daily Report.) The report  
4 indicates that MCM had been using the BMPs consistently and that they were effective to control  
5 turbidity. Not incidentally, the report also reflected that care was being taken to control turbidity  
6 generally. It quoted Ron den Heyer, Caltrans' Resident Engineer, as saying: "...if we see  
7 something going into the water we need to stop in immediately..."

8 That some turbidity occurred even with the use of BMPs does not establish a violation.  
9 The Order issued the violation on the basis that turbidity was "apparently preventable." (Order,  
10 p. 16.) A zero-turbidity standard is not consistent, however, with the nature of the project or the  
11 fact that turbidity was expected. A zero-turbidity standard also is not consistent with the typical  
12 understanding of BMPs, which are mechanisms to *control and reduce* pollution, not just prevent  
13 it entirely. In this regard, Caltrans' BMP Manual defines a BMP as: "Any program, technology,  
14 process, siting criteria, operating method, measure, or device that controls, prevents, removes, or  
15 reduces pollution." (BMP Manual, Appx. A., p. 2.)

16 In sum, the record does not contain substantial evidence establishing that BMPs used to  
17 control drilling debris were not adequate, and the record therefore does not support the finding  
18 for this violation.

19 September 22, 2006:

20 This violation is based on turbidity that arose when construction vehicles were driven  
21 across the river. The crossing was planned and permitted. To minimize turbidity, Caltrans and  
22 MCM followed a practice of pre-cleaning equipment. The violation is based upon an assumption  
23 that this practice was not implemented for a series of crossings on September 22, 2006 that  
24 appeared to generate more turbidity than crossings on other days.

25 The violation was based on certain statements in the biological monitor's report that  
26 equipment may not have been cleaned before the crossing. However, the reports also suggest the  
27 biological monitor was not able to confirm whether the equipment crossed without cleaning, and  
28 that this was only a suspicion that he harbored. The report states:

1 Equipment cleaning was a pro-active measure taken for the first &  
2 second crossing event witnessed by B. Norman on September 22.  
3 This was apparent by the much larger amount of dirt on the  
4 equipment during the second crossing compared to the other two  
5 crossings... *Although the biological monitor was notified that the*  
6 *wet-channel crossing was to occur that morning, he was not given*  
7 *any notice immediately before the event occurred.* The vehicle did  
8 not stop at the edge of the river and continued directly into the  
9 river. The monitor attempted to hail the equipment operator but  
10 was not successful.

11 (URS Report, p. 6-20, italics added.)

12 The question of the biological monitor's personal knowledge could have been resolved  
13 had the biological monitors been present at the hearing, or offered written statements. Because  
14 they were not present, however, the extent of their personal observations could not be explored  
15 and is not in the record. Moreover, the Order itself reflects some uncertainty over exactly what  
16 the cause of turbidity was:

17 It is unclear whether the failure to clean the equipment, the speed  
18 of the crossings, or some combination of these factors resulted in  
19 the discharge. None-the-less, BMPs used for this activity were not  
20 adequate to comply with Condition 7.

21 (Order, p. 16.)

22 Given the foregoing, this violation is not supported by the record. The biological  
23 monitors' reports cannot support civil liability when the same reports cast doubt on the biological  
24 monitor had actual personal knowledge that pre-cleaning did not occur, and the cause of turbidity  
25 is not clear.

26 September 29, 2006:

27 The Order contains two violations for this date. The first violation involved a leak during  
28 a concrete pour into a CMP that was being installed in the wetted portion of the river. The leak  
occurred at the bottom of the CMP where it was placed against the river bottom.

MCM devoted considerable time and effort at the June 23, 2011 hearing to explain the  
purpose and function of CMPs as part of a foundation that would handle hundreds of thousands  
of pounds of load. (Transcript, 222:13-223:14; 249:15-251:21.) MCM also showed the process  
in photographs at the June 23, 2011 hearing. (Visual Presentation, Slides 49-52.)

1 The leak occurred despite several measures to establish a tight seal of the CMP against  
2 the riverbed. The installation process, and measures to establish a seal and protect against leaks,  
3 were shown by MCM at the June 23, 2011 hearing. (Visual Presentation, Slides 49-52.) These  
4 included using filter fabric, sandbags and gravel to form a seal at the bottom of the CMP against  
5 the river bottom. MCM's project engineer explained that achieving a good seal against the river  
6 bottom was not an exact science and sometimes required iterative attempts. (Transcript, 248:14-  
7 249:14.) Here, the leak occurred on the third of six foundations to be placed in the wetted river.  
8 For the prior two foundations, the CMPs had been installed "beautifully" without any problems;  
9 the leak occurred on the third foundation as the water became deeper and the bedrock more  
10 irregular. (Transcript, 255:8-25; see also Visual Presentation, Slide 55.) The problem did not  
11 reoccur on the remaining three foundations in the river.

12 The record contains no evidence that these BMPs were not "adequate." No evidence  
13 was presented that another type of BMP should have been used or was available. These methods  
14 performed well overall, illustrated by the fact that no leaks occurred for other CMPs installations.  
15 In sum, the record does not support a violation of Condition 7.

16 September 29, 2006:

17 The second violation for September 22 also occurred during a CMP installation.  
18 Engineer's logs noted turbidity in the vicinity of a worker standing on sandbags surrounding a  
19 CMP as concrete was poured:

20 During placement for the #4 FTG, the CONTR's tremie on the  
21 hopper came off. While trying to reattach the tremie, the CONTR  
22 worked around the CMP standing on the sandbags. A plume was  
evident but how much was concrete or how much was algae was  
hard to determine.

23 (September 29, 2006 Assistant Resident Engineer's Daily Report.)

24 No evidence other than the foregoing quote supports the violation. As such, a cause of  
25 the turbidity was never established on the record. The Order itself acknowledges the uncertainty  
26 over the source of turbidity: "It is unclear whether the second plume was the result of concrete  
27 discharges or the disturbance of river bottom deposits." (Order, p. 17.) MCM also testified that  
28 workers would occasionally kick up bottom sediments while standing on sandbags (Transcript,

1 255:13-25), but the Order appeared to reject this explanation. Without establishing a cause of  
2 turbidity, the evidence cannot support a finding that a violation occurred.

3 In conclusion, the Certification did not impose a zero-turbidity standard, but rather  
4 required adequate BMPs for sediment and turbidity control. Caltrans and MCM went to  
5 considerable lengths to control turbidity, and the BMPs used were adequate and appropriate.  
6 The record does not support the findings for these four events.

7 **4. Insufficient Turbidity Measurements (Category "E")**

8 This category presents another example where the Regional Board's expectations were  
9 not contained in the plain terms of the Certification. This category surrounds the requirement in  
10 Condition 19 that "field turbidity measurements" be taken to monitor turbidity and demonstrate  
11 compliance with the receiving water limitations. Condition 19 provides, in full:

12 Visual observations of the South Fork Eel River shall be conducted  
13 whenever a project activity has the potential to mobilize sediment  
14 and increase the turbidity of the South Fork Eel River. *Field*  
15 *turbidity measurements* shall be collected whenever a project  
16 activity causes turbidity of the South Fork Eel River to be  
17 increased above background concentrations in order to  
18 demonstrate compliance with receiving water limitations.

19 Whenever turbidity in the South Fork Eel River is increased above  
20 background as a result of project activities, turbidity measurements  
21 shall be collected upstream (within 50 feet) of project activities  
22 (background) and downstream (within 100 feet) of the source of  
23 turbidity. The frequency of turbidity monitoring shall be a  
24 minimum of every hour during periods of increased turbidity and  
25 shall continue until turbidity measurements demonstrate  
26 compliance with receiving water limitations and turbidity levels  
27 are no longer increasing as a result of project activities. If turbidity  
28 levels are greater than 20 percent above background 100 feet  
downstream of the source of turbidity, all necessary steps shall be  
taken to install, repair, and/or modify BMPs to control the  
source(s) of sediment and the overall distance from the source of  
turbidity to the downstream extent of the increased turbidity (20  
percent above background) shall be measured.

Turbidity monitoring results shall be reported to appropriate  
Regional Water Board staff by telephone within 1 hour of taking  
any turbidity measurement that shows turbidity levels are 20  
percent above background 100 feet or more downstream of the  
source of turbidity. All recorded visual observation and all field  
turbidity measurements collected for the purpose of this condition  
shall be submitted in a report to the Regional Water Board by  
November 15<sup>th</sup> each year and within 45 days of project  
completion.

1 The crux of the issue is that Condition 19 does not describe or define how "field turbidity  
2 measurements" may be taken. For some instances involving turbidity, Caltrans and its  
3 contractors used visual means to monitor turbidity. MCM presented expert testimony that  
4 monitoring using visual means was, particularly for minor turbidity events, a common  
5 construction practice, and that it was possible for workers to determine compliance for minor  
6 turbidity events based on visual means. (Transcript, 260:1-263:13.)

7 The Order takes a more stringent position, and asserts that "field turbidity measurements"  
8 required the use of instrumentation that generated a numeric result: "It is not possible to comply  
9 with a numeric standard using qualitative data such as a visual scale." (Order, p. 18.) The Order  
10 asserts that the use of monitoring equipment was an absolute requirement of the Certification.

11 The Regional Board's staff acknowledged, however, that Condition 19 did not  
12 specifically require the use of turbidity monitoring equipment:

13 Q. Where in the Certification does it state that field turbidity  
14 measurements must be taken by an NTU meter?

15 A. To my knowledge, there is no specific location describing  
16 that.

17 Q. Your definition that you just provided me for field turbidity  
18 measurements, can you cite for me any recognized  
19 publication, works, regulations, or other information that  
20 have that definition of field turbidity measurements?

21 A. No.

22 Q. So I take it it is just your understanding that it is the  
23 practice in the industry that field turbidity measurements  
24 use NTU meters?

25 A. Yes.

26 (Transcript of Deposition of Kason Grady, 202:6-20.)

27 Staff also acknowledged that visual monitoring had in fact allowed workers to measure  
28 the size and length of turbidity plumes:

Q. As you previously testified, the field turbidity  
measurements must be measured using an NTU meter,  
right?

A. Yes.

1 Q. Would you agree that in this case there also appears to have  
2 been -- there is evidence of visual measurements being  
3 taken of the turbidity created by the crossings?

4 A. Visual observations?

5 Q. Yes. And, in fact, those visual observations resulted in  
6 estimates regarding the size, length and duration of the  
7 plume; would you agree?

8 A. Yes.

9 (Transcript of Deposition of Kason Grady, 266:5-17.)

10 MCM submits that the Order is based on monitoring expectations that are not contained  
11 in the terms of the Certification. We cannot help but observe that the Regional Board staff could  
12 have written Condition 19 to clearly require the use of monitoring equipment and prohibit visual  
13 means as a method of determining compliance, if that was in fact intended when the Certification  
14 was issued. Instead, the Certification employed general terms that offered Caltrans and its  
15 contractors the flexibility to take field turbidity measurements using means such as a visual  
16 scale.

17 The fact that many of the instances of turbidity were relatively minor lends to the  
18 appropriateness of visual methods for this project. Many turbidity plumes were recorded at  
19 lengths of 20 feet or less (for example, August 29: 15 foot plume, August 30: 15 foot plume;  
20 September 1: 20 foot plume; October 16: 8 foot plume). For such minor events, visual  
21 monitoring not only met the terms of the Certification, but also represented a logical and  
22 reasonable method.

23 **5. Cementitious Discharges (Category "F")**

24 The September 18, 2006 violation was not supported by substantial evidence in the  
25 record. The violation was based on a single photograph showing what was asserted to be cement  
26 waste on the gravel bar, without any corroborating evidence. MCM testified at the June 23, 2011  
27 hearing that the material in the photograph was natural sediment of the type prevalent in the Eel  
28 River. (Transcript, 267:10-268:6.) MCM showed the Regional Board examples of these  
sediments at the hearing. (Visual Presentation, Slide 74.) MCM explained that the photograph  
was not in fact cement waste, but sediments concentrated near the outflow of the dewatering pipe

1 to Isolated Pool B. There was no contrary evidence or testimony, but the Order nonetheless  
2 included this violation. MCM submits that the violation is not supported by substantial evidence.

3 **6. Individual Events (Category "H")**

4 MCM submits that two of the violations in this category are not supported by substantial  
5 evidence.

6 The \$10,000 civil liability for November 3, 2006 was based upon a report of loose soil  
7 that traveled downslope for reasons that are not entirely clear in the record. The evidence  
8 supporting the violation was a short email description circulated by Caltrans:

9 During construction of the work platform for the south Bridge Pier  
10 2, loose soil was pushed over the edge of the bank. The soil  
11 cascaded all the way to the toe of the slope, which is below the  
12 Ordinary High Water elevation. The loose soil along the entire  
13 chute should be stabilized or removed. The loose soil below OHW  
14 should be removed.

13 (November 7, 2006 email from Walt Dragaloski.)

14 The email does not provide evidence of the amount of soil, the reasons for the cascade, or  
15 any other circumstances that seem necessary to establish liability. The record also does not  
16 reveal how the soil cascade was not stopped by barriers (known as "super sacks") installed mid-  
17 slope to prevent rockfall into the river channel. MCM described the barriers in its June 23, 2011  
18 testimony (Transcript, 274:1-275:1) and offered examples in photographs at the June 23, 2011  
19 hearing. (Visual Presentation, Slide 90.) The email description above suggests the event was  
20 inadvertent. In sum, the record is not sufficiently developed to provide substantial evidence that  
21 a violation of the Certification occurred.

22 The record also does not support \$20,000 in civil liability for two violations relating to  
23 sandblasting. These violations are based on the fact that a portion of the sand used to sandblast a  
24 bridge, as part of the finishing process, fell in the channel below. MCM performed sandblasting  
25 in accordance with Caltrans' approved BMP NS-14 in the BMP Manual, which was incorporated  
26 into the Certification. The terms of NS-14 do not require containment for blown sand, however,  
27 and MCM testified that full containment had not been required under NS-14 on prior Caltrans  
28 projects. (Transcript, 275:8-276:17.) Nonetheless, Caltrans requested a new BMP that provided

1 containment; MCM developed such a BMP (which used tarps to capture sand), and the resulting  
2 changes were approved by Caltrans and thereafter followed by MCM. (Id.) Thus, at no point in  
3 time did sandblasting occur without the use of approved BMPs. The fact that the BMPs were  
4 reviewed and adjusted over time shows that the parties took the BMP process seriously.

5 **7. Storm Water Permit Violations (Category "I")**

6 The Order contains a \$30,000 penalty under Caltrans' Storm Water Permit based upon  
7 the "non-containment of the trestle deck over an extended period of time." The Order indicates  
8 that the trestle deck should have been watertight pursuant to Caltrans' BMP NS-13. Caltrans and  
9 MCM objected to these allegations because NS-13 did not, by its terms, require the trestle deck  
10 to be watertight. NS-13 stated, in relevant part:

11 Provide watertight curbs or toe boards to contain spills and prevent  
12 materials, tools, and debris from leaving the barge, platform, dock,  
etc.

13 At the June 23, 2011 hearing, MCM testified that it had built hundreds of trestle decks,  
14 and never had a project required a watertight deck. (Transcript, 226:14-227:7.) MCM testified  
15 that making a trestle deck watertight presented an "engineering nightmare" based on the need to  
16 distribute the "active" load of rainwater over a 500-foot by 80-foot area. (Transcript, 227:8-20.)  
17 MCM worked to satisfy this interpretation of NS-13 by first adding caulking, and eventually by  
18 using filter fabric on the deck, without regard to the fact that BMP NS-13 did not impose these  
19 requirements. (Transcript, 230:22-231:232:8.) Further, to the extent that watertight "curbs"  
20 were required by NS-13, MCM testified that the curbs on the trestle deck met this requirement.  
21 (Transcript, 228:18-229:15.)

22 Further, Caltrans' expert also testified that the design of the trestle deck was above and  
23 beyond the BMP's requirements:

24 Q. All right. In your opinion, was there any violation of the  
25 Caltrans Storm Water Permit in association with the trestle?

26 A. No.

27 Q. Okay. What's the basis of that opinion?

28 A. The basis of that opinion is that from the record it is clear  
that Caltrans and the contractor made attempts to put BMPs

1 on the trestle deck. They came out with the plywood  
2 patching, put it in the larger holes. They tried the  
3 expanding foam within the joints there. They eventually  
4 put up the toe boards. They installed the filter fabric. And  
5 if you read NS13, the expanding foam, filter fabric, those  
6 BMPs are not described in the construction site BMP  
7 Manual. So, when I look at that information, it appears to  
8 me that we went above and beyond what is described in  
9 NS13. And the -- you know, at the end of the day, there  
10 were no discharges from the trestle...

11 (Transcript, 157:7-24.)

12 In sum, the Order imposed requirements into the Storm Water Permit that are not  
13 supported by the plain language of BMP NS-13. Because Caltrans developed NS-13, Caltrans  
14 deserved deference from the Regional Board to interpret and apply NS-13 in the manner that  
15 Caltrans intended.

#### 16 **8. Application of Section 13385 Factors**

17 Many, if not most, of the violations in the Order have been afforded the maximum  
18 penalty authorized by Water Code section 13385, subdivision (e), of \$10,000 per day. Section  
19 13385 requires, however, that prior to imposing liability in the maximum amount or in any  
20 amount, the Regional Board must apply an analysis that takes into account ten distinct factors to  
21 determine the amount of civil liability:

22 In determining the amount of any liability imposed under this  
23 section, the regional board... shall take into account the nature,  
24 circumstances, extent, and gravity of the violation or violations,  
25 whether the discharge is susceptible to cleanup or abatement, the  
26 degree of toxicity of the discharge, and, with respect to the  
27 violator, the ability to pay, the effect on its ability to continue its  
28 business, any voluntary cleanup efforts undertaken, any prior  
history of violations, the degree of culpability, economic benefit or  
savings, if any, resulting from the violation, and other matters that  
justice may require. At a minimum, liability shall be assessed at a  
level that recovers the economic benefits, if any, derived from the  
acts that constitute the violation.

(Wat. Code, § 13385, subd. (e).)

The Order fails to satisfy this mandatory requirement of the Water Code. The Order is almost devoid of any discussion of these ten factors, and to the extent the factors are noted in the Order, it is in a glancing way rather than as part of a meaningful analysis.

Further, in situations where a violation was found to be intentional rather than

1 inadvertent, the Order suggests that the Section 13385 factors do not apply at all: "Failure to cite  
2 the duration and volume of the waste discharge does not apply in this instance as this violation  
3 does not depend upon those factors, but rather the intentional discharge of dewatering waste to  
4 waters of the state without a permit." (Order, p. 10.)

5 The Water Code expressly states that the Order "shall take into account" the listed factors  
6 for each and every alleged discharge. The language is mandatory and singular in every instance,  
7 and makes no reference to "general" or "categorical" application of the listed factors. (*Ibid.*)  
8 Thus, to comply with the statute, the Order should have applied the listed factors individually to  
9 each alleged violation. (*Ibid.*; see *Lazar v. Hertz Corp.* (1999) 69 Cal.App.4th 1494, 1503 [if  
10 "the words of a statute are reasonably free of ambiguity and uncertainty, we look no further than  
11 those words to determine the meaning of that language"].)

12 The absence of a proper Section 13385 analysis poses a substantial hardship to Caltrans  
13 and MCM. Because the factors relevant to imposing the maximum liability were not explained,  
14 Caltrans and MCM have not been provided a complete rationale for the Order as required by  
15 statute, and therefore cannot evaluate the basis for civil liability in regard to factual inquires that  
16 should have been made under Section 13385, subdivision (e), concerning the nature, extent and  
17 gravity of each alleged violation, susceptibility to cleanup or abatement and voluntary cleanup  
18 efforts undertaken, degree of culpability, and economic benefit. (Wat. Code, § 13385, subd. (e);  
19 see, e.g., *County Sanitation District No. 2 v. County of Kern* (2005) 127 Cal.App.4th 1544,  
20 1597.) [public agency's broad-brush assertions are insufficient where individual assessment of  
21 particular evidence or other factors is required].) For these reasons, the findings of maximum  
22 liability are not supported by the law or the record.

#### 23 VI. ACTION REQUESTED OF STATE BOARD

24 Petitioner, MCM, requests that the State Water Board vacate and/or reverse and remand  
25 the Order as discussed herein.

#### 26 VII. NOTIFICATION TO REGIONAL BOARD

27 A copy of this Petition has been sent to the Regional Board at the following address:  
28 California Regional Water Quality Control Board, North Coast Region, c/o Lisa Bernard, 5550

1 Skylane Boulevard, Suite A, Santa Rosa, CA 95403.

2  
3 Respectfully Submitted:

4 Dated: April 16, 2012

HARRISON, TEMBLADOR, HUNGERFORD  
& JOHNSON LLP

5  
6 

7 By: \_\_\_\_\_  
8 SEAN K. HUNGERFORD  
9 Attorney for  
10 MCM CONSTRUCTION, INC.  
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