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BEFORE THE POLLUTION CONTROL HEARINGS BOARD  
STATE OF WASHINGTON

PORT OF SEATTLE,	)	PCHB Nos. 03-140, 03-141, 03-142
	)	
Appellant,	)	CONSOLIDATED
	)	
v.	)	
	)	
STATE OF WASHINGTON,	)	
DEPARTMENT OF ECOLOGY,	)	
	)	
Respondent.	)	APPELLANTS AIRPORT
	)	COMMUNITIES COALITION
AIRPORT COMMUNITIES COALITION,	)	AND CITIZENS AGAINST
CITIZENS AGAINST SEATAC	)	SEATAC EXPANSION'S
EXPANSION, and PUGET SOUNDKEEPER	)	PRE-HEARING BRIEF
ALLIANCE	)	
	)	
Appellants,	)	
	)	
v.	)	
	)	
STATE OF WASHINGTON,	)	
DEPARTMENT OF ECOLOGY and PORT	)	
OF SEATTLE,	)	
	)	
Respondents.	)	

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Appellants Airport Communities Coalition and Citizens Against Seatac Expansion describe below the legal arguments on their appeal issues, including the facts they expect to establish through exhibits and witness testimony at Hearing. The issues are addressed in the sequence stated in the Board's Pre-Hearing Order, dated November 14, 2003.

1  
2 **15. Is the permit illegal, inadequate, or otherwise unlawful because it fails to protect**  
3 **Lake Reba as waters of the state? (§§ 4t, 5t)**

4 "Waters of the state" include lakes, rivers, ponds, streams, inland waters,  
5 underground waters , salt waters and "all other surface waters and watercourses within the  
6 jurisdiction of the state of Washington." RCW 90.48.020. "Surface waters of the state"  
7 includes wetlands. WAC 173-201A-020. In short, wetlands are "waters of the state."  
8 However, the term "wetlands" does not include "artificial wetlands intentionally created  
9 **from nonwetland sites**, including, but not limited to, . . . detention facilities[.]" WAC 173-  
10 201A-020 (emphasis added).

11 The evidence produced at Hearing will demonstrate that Lake Reba was built on the  
12 site of a pre-existing pond. The Port agreed to expand the pre-existing pond's storage  
13 capacity in order to settle a lawsuit about the impacts of the airport's stormwater runoff on  
14 properties adjacent to Miller Creek. Exh. 52, Appendix C at C1.1; Exh. 68; and Exh. 69.  
15 When the Port created Lake Reba as an "in-line" detention facility, it expanded the pre-  
16 existing pond's storage capacity by excavating peat soils and building a berm. These  
17 activities took place along a stream coursing through a delineated wetland complex. Exh.  
18 183; Exh. 184; Exh. 185. In short, Lake Reba fully qualifies for protection as waters of the  
19 state for all of the same reasons supporting Ecology's correct conclusion that the Northwest  
20 Ponds are waters of the state.  
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23 The evidence will also show that, based on nothing more than a conclusory and  
24 unsupported assertion in a letter dated March 24, 1997, the permit fails to protect Lake Reba  
25 as waters of the state. Testimony at the Hearing will confirm that the letter's conclusion was  
26

1 not supported by any formal wetland delineation. Nevertheless, as a result of the letter's  
2 unsupported conclusion, the permit does not hold the Port's stormwater discharges into Lake  
3 Reba to the same standards as the stormwater discharges to Des Moines Creek and the  
4 Northwest Ponds. And as discussed under Issue 16 below, the permit does not hold the  
5 discharges from Lake Reba to Miller Creek to any standards at all.  
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7  
8 **16. Is the permit illegal, inadequate, or otherwise unlawful because it contains fails to**  
9 **properly regulate or control discharges from Lake Reba to Miller Creek? (¶¶ 4w, 5w)**

10 As discussed above, Lake Reba's legal status is disputed. However, no party disputes  
11 that Miller Creek is a water of the state. Lake Reba discharges industrial stormwater from  
12 Sea-Tac Airport into Miller Creek. Therefore, the Lake Reba discharge should be subject to  
13 the same kinds of effluent limitations and monitoring requirements as the airport's discharges  
14 to Des Moines Creek, Gilliam Creek, and the Northwest Ponds. *See*, Permit Part II, Cond.  
15 S1A, Table 1 (Exh. 1 at 36-37).  
16

17 At Hearing, the evidence will establish that the permit contains no controls for Lake  
18 Reba's discharges into Miller Creek. Indeed, Lake Reba's discharge point is not even  
19 identified as an outfall under the permit. (*See*, Permit at 36-38.) The permit contains neither  
20 effluent limitations nor benchmark limits for Lake Reba. There is no routine monitoring of  
21 any identified pollutant or parameter in Lake Reba's discharge. There are no regular  
22 monitoring or reporting requirements for the Lake Reba discharge. There is no monitoring of  
23 Lake Reba's discharge for compliance with effluent limitations, benchmark limits, or water  
24 quality criteria.  
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1 In short, the permit reflects a near-total abdication of Ecology's responsibility to  
2 assure that the Port's discharges from Lake Reba into Miller Creek comply with state water  
3 quality standards.

4 **AKART**

5  
6 **17. Does the permit satisfy legal requirements to apply all known, available, and  
reasonable methods of prevention, control, and treatment (AKART) to:**

7 **a. Industrial Wastewater Treatment Plant (IWTP) discharges (¶¶ 4a, 5a)**

8 NOTE: With respect to the IWTP discharge, the AKART issue has been fully briefed.  
9 ACC and CASE reincorporate their briefs filed in support of the motion for partial summary  
10 judgment regarding AKART. For the Board's convenience, the following summary is also  
11 provided.

12 In summary, the permit does not require AKART for IWTP discharges for numerous  
13 reasons. In 1998, the Port determined that sending IWTP discharges to a sewage treatment  
14 plant for secondary treatment is AKART, and Ecology agreed. Yet in 2002, Ecology agreed  
15 to allow the Port to continue discharging IWTP effluent into Puget Sound whenever the BOD  
16 level is at or below 250 mg/L, without requiring the Port to demonstrate that secondary  
17 treatment is not known, available, or reasonable for such effluent. Deposition testimony  
18 confirms that Ecology did not bother to determine King County's ability to handle additional  
19 volumes of effluent, or the Port's ability to pay for secondary treatment of additional  
20 volumes.<sup>1</sup> Ecology also agreed to waive secondary treatment without first determining that  
21 exempted discharges are not toxic. Ecology also approved the Port's AKART determination  
22 without requiring the Port to update the study and reconsider its early determinations in light  
23 of the significant physical changes in the IWS, including the Lagoon 3 expansion. Thus, the  
24 AKART Engineering Reports do not address the feasibility of converting the recently

25 \_\_\_\_\_  
26 <sup>1</sup> Under the Civil Rules, appellants may use the transcript of the 30(b)(6) deposition for “any  
purpose” at the hearing. CR 32(a)(2); *Young v. Liddington*, 50 Wn.2d 78, 309 P.2d 761 (1957).

1 expanded Lagoon 3 into an aerated lagoon; nor do they reconsider sending some part of the  
2 IWTP effluent to the Midway STP, now that the storage capacity of the lagoons has been  
3 increased. Likewise, since the Port's reconsideration of its proposal to send all IWTP  
4 effluent to King County for secondary treatment, the AKART Engineering Reports did not  
5 reconsider providing additional treatment to the effluent that will be discharged to Puget  
6 Sound.

7  
8 **b. discharges to Des Moines Creek, Gilliam Creek, and the Northwest Ponds  
(NWP) (¶¶ 4n, 5n), and**

9 **c. discharges to Lake Reba (¶¶ 4v, 5v)**

10 The legal requirement of providing all known, available, and reasonable methods of  
11 pollution prevention, control, and treatment applies to all discharges, including stormwater.  
12 RCW 90.48.520; RCW 90.54.020(3)(b); RCW 90.52.040.

13 The permit does not require AKART for stormwater discharges to Des Moines Creek,  
14 Gilliam Creek, the Northwest Ponds, and Lake Reba. Ecology has determined that AKART  
15 for stormwater discharges means complying with the most recent version of the Stormwater  
16 Management Manual for Western Washington (SWMM). Exh. 121. Yet rather than  
17 requiring all STIA facilities to comply with the latest SWMM, permit Part II, Cond. S5.A.5  
18 essentially grandfathers the Port's existing facilities. The permit states, "For Permittee's  
19 existing facilities, the Permittee is not required to redo its SWPPP and BMPs to incorporate  
20 changes to BMPs that were designed and implemented according to an earlier version of the  
21 SWMM." Exh. 1 at 48. In other words, the permit does not require the Port to utilize  
22 modern methods of preventing, controlling, and treating the stormwater discharged from its  
23 existing facilities.

24 Moreover, evidence to be introduced at Hearing will confirm that the Port's Stormwater  
25 Pollution Prevention Plan (SWPPP) does not satisfy the minimum standards for air  
26

1 transportation facilities conducting deicing activities identified in the Stormwater Multi-  
2 Sector General Permit (MSGP) for Industrial Activities. (See, discussion under Issue 32,  
3 below.) As these MSGP-required BMPs are known, available, and reasonable methods of  
4 pollution prevention, control, and treatment, the permit's failure to require them means it  
5 does not require AKART for the Port's stormwater discharges.

6 **d. discharges from Lake Reba to Miller Creek (¶¶ 4w, 5w)**

7 The permit does not require all known, available and reasonable methods of preventing,  
8 controlling, and treating the pollutants in Lake Reba's discharges to Miller Creek because, in  
9 essence, the permit does not require anything for Lake Reba's discharges. As discussed  
10 under Issue No. 16, above, the permit does not effectively regulate or control the Port's  
11 discharges from Lake Reba to Miller Creek.

12 At Hearing, witness testimony will establish that although the Port calls Lake Reba an  
13 engineered stormwater detention facility, the Port does not operate Lake Reba pursuant to an  
14 approved Operation and Maintenance Manual. Testimony will also establish that the Port  
15 has never drained Lake Reba or removed its accumulated and contaminated sediments.

16  
17 **Compliance With Water Quality Standards**

18 **18. Does the permit satisfy legal requirements to include any more stringent limitation,  
19 including those necessary to meet water quality standards, for:**

20 **a. [Withdrawn by letter dated July 2, 2004.]**

21 **b. discharges to Des Moines Creek, Gilliam Creek, and NWP (¶¶ 4o, 5o); and**

22 **c. discharges to Lake Reba (¶¶ 4x, 5x); and**

23 **d. discharges from Lake Reba to Miller Creek (¶¶ 4y, 5y)**

24 Under Clean Water Act sections 301 and 402(p)(3)(A), the permit is required to include  
25 any more stringent limitations necessary to assure that the Port's stormwater discharges to  
26

1 Des Moines Creek, Gilliam Creek, the Northwest Ponds, Lake Reba, and Miller Creek meet  
2 water quality standards and treatment standards under state law. 33 USC §§ 1311 and  
3 1342(p)(3)(A).

4 At Hearing, appellants will introduce abundant documentary evidence showing the Port's  
5 stormwater discharges are causing or contributing to exceedances of numeric water quality  
6 criteria for dissolved metals in the receiving waters. This evidence includes: the 1997  
7 Stormwater Receiving Environment Monitoring Report (Exh. 86); the 1998 Reasonable  
8 Potential Analysis (Exh. 95); sampling data reported in the Port's Annual Stormwater  
9 Monitoring Reports (Exh. 80); as well as more recent sampling data (Exhs. 165, 166, 178).  
10 This evidence confirms that the Port's stormwater discharges frequently exceed numeric  
11 water quality criteria for dissolved copper and zinc at the point of discharge. Since the Port  
12 has no authorized mixing zones for stormwater, these discharges cause or contribute to  
13 exceedances of numeric water quality criteria in the receiving waters. Accordingly, more  
14 stringent limitations, including but not limited to water quality-based effluent limitations, are  
15 necessary to assure these discharges comply with state water quality standards.

16 However, the permit does not impose such limitations. For more than the first four years  
17 of the permit's five-year duration, there are no numeric effluent limitations for stormwater  
18 discharges. Exh. 1 at 36 (effluent limitations for discharges to Des Moines Creek and the  
19 Northwest Ponds do not become effective until December 31, 2007). And with respect to the  
20 stormwater discharges to Miller Creek and Lake Reba, there are no numeric effluent  
21 limitations at all. Exh. 1 at 38-39. In addition, the permit does not require the Port to use  
22 enhanced treatment BMPs to prevent exceedances of water quality criteria for dissolved  
23 metals. (*See*, discussion of Issue 24, below.)  
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**Compliance Schedules**

NOTE: The compliance schedule issues have been fully briefed. ACC and CASE reincorporate their briefs filed in support of the motion for partial summary judgment regarding compliance schedules. For the Board's convenience, the following summary is also provided.

**19. Does the permit satisfy legal requirements regarding compliance schedules with respect to the permit provisions governing:**

**Industrial Wastewater<sup>2</sup>**

**a. implementation of AKART at the IWTP (¶¶ 4b, 5b; 4l, 5l)**

The permit provides a compliance schedule for the Port's industrial wastewater discharges in permit Part I, Cond. S10. Exh. 1 at 32. As interpreted by Ecology, this compliance schedule excuses the Port's industrial wastewater discharge both from the requirement to implement AKART *and* from the obligation to comply with state water quality standards until July 1, 2007. The first element is discussed here; the second is discussed under issue 19c, below.

The compliance schedule for the Port's implementation of AKART at the IWTP is illegal in two significant and independent ways. First, the compliance schedule exceeds the Clean Water Act's mandatory deadlines and time limits. Second, the compliance schedule lacks the interim dates and reporting safeguards the law requires to make sure the Port actually implements AKART within the time allowed.

Mandatory Deadlines and Time Limits. As discussed in appellants' Motion for Partial Summary Judgment regarding AKART, the Port's IWTP is a "publicly owned treatment

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<sup>2</sup> For analytic clarity, we discuss the compliance schedules pertaining to industrial wastewater (Issues 19a and 19c) first. Then, we discuss the compliance schedules pertaining to stormwater discharges (Issues 19b, 19d, and 19e).



1 works" -- a POTW -- because it is owned by a municipality and it treats liquid industrial  
2 wastes in furtherance of the Act's objectives. Section 301(b) of the Clean Water Act  
3 established a mandatory deadline for all POTWs to achieve effluent limitations based on  
4 secondary treatment. 33 U.S.C. § 1311(b)(1)(B). That deadline expired on July 1, 1977. 33  
5 U.S.C. § 1311(b). Ecology has no authority to give the Port additional time to come into  
6 compliance.

7 In addition, the permit's extension of the IWS compliance schedule beyond the ten-year  
8 maximum allowed by WAC 173-201A-160(4)(c) is illegal. Although respondents now assert  
9 that this section's ten-year maximum cannot be applied to the AKART requirement, they  
10 neglect to consider that the IWS compliance schedule also governs the Port's compliance  
11 with the state water quality standard for toxicity under WAC 173-201A-030. Evidence at  
12 Hearing will establish that the Port's industrial wastewater discharges are toxic. Ecology has  
13 no authority to allow the Port to continue discharging toxic levels of pollutants beyond the  
14 ten-year maximum time period for attaining compliance with water quality standards allowed  
15 by WAC 173-201A-160(4)(c).

16 Interim Dates and Reporting Requirements. The IWS compliance schedule is illegal  
17 because it includes interim dates that are more than one year apart, and fails to require  
18 progress reports adequate to assure that the Port attains compliance within the time allowed.<sup>3</sup>

19 Under unequivocal federal regulations,

20 if a permit establishes a schedule of compliance which exceeds 1 year from  
21 the date of permit issuance, the schedule shall set forth interim requirements  
and the dates for their achievement.

22 (i) The time between interim dates shall not exceed 1 year, except that in  
23 the case of a schedule for compliance with standards for sewage sludge use  
and disposal, the time between interim dates shall not exceed six months.

24  
25 <sup>3</sup> This argument applies to the IWS compliance schedule both with respect to implementation  
26 of AKART (Issue 19a) and with respect to compliance with water quality standards (Issue 19c).

1           (ii) If the time necessary for completion of any interim requirement (such  
2 as the construction of a control facility) is more than 1 year and is not readily  
3 divisible into stages for completion, the permit shall specify interim dates for  
4 the submission of reports of progress toward completion of the interim  
5 requirements and indicate a projected completion date.

6 40 CFR § 122.47(a)(3) (emphasis added). The IWTP compliance schedule provided in  
7 permit Part I, Cond. S10 facially and substantively violates this requirement because it  
8 provides interim dates more than one year apart -- specifically, a 35-month gap between the  
9 commencement and completion of construction -- without specifying any interim dates or  
10 requiring any progress reports in that period.

11           **c. compliance with water quality standards for IWTP discharges (¶¶ 4d, 5d)**

12           The permit schedule for the IWTP's compliance with water quality standards is illegal in  
13 two significant and independent ways. First, the compliance schedule is too long, because it  
14 gives the Port more than the legal maximum of ten years to come into compliance with water  
15 quality standards. Second, the compliance schedule lacks the interim dates and reporting  
16 safeguards the law requires to make sure the Port actually comes into compliance within the  
17 time allowed. (The second element was discussed above, under Issue 19a.)

18           The Ten-Year Maximum Time Limit. Washington state law allows compliance  
19 schedules -- that is, "a schedule for achieving compliance with water quality criteria[.]"  
20 WAC 173-201A-160(4)(a). However, this allowance is explicitly limited: "**Schedules of**  
21 **compliance may in no case exceed ten years**, and shall generally not exceed the term of  
22 any permit." WAC 173-201A-160(4)(c) (emphasis added). Ecology exceeded its limited  
23 authority by illegally extending the IWTP compliance schedule beyond the ten-year  
24 maximum allowed by law.

25           Appellants' Hearing evidence will show that the compliance schedule for IWTP  
26 discharges began on June 30, 1994 -- the effective date of the permit that authorized the

1 compliance schedule. *See*, Exh. 3; Exhs. 7-9 (Ecology Responses to Comments). The 1994  
2 permit also identified interim effluent limits to apply during the compliance schedule,  
3 thereby eliminating any question as to whether the compliance schedule had in fact started.  
4 *See*, Exh. 3.

5 The record confirms that the Port has failed to bring the IWTP discharges into  
6 compliance with water quality standards. At Hearing, the evidence will demonstrate that the  
7 IWTP discharges violate state water quality standards in two distinct ways -- by violating the  
8 numeric water quality criterion for dissolved oxygen, and by violating the narrative water  
9 quality standard prohibiting discharges of toxic substances in toxic amounts.

10 The permit's extension of the IWTP schedule for complying with state water quality  
11 standards beyond the ten-year maximum is illegal. WAC 173-201A-160(4)(c).

12 Interim Dates and Reporting Requirements. (See discussion above, under 19a.)

13  
14 **Stormwater Associated with Industrial Activities**

15 **b. implementation of AKART for stormwater discharges to Des Moines Creek,**  
16 **Gilliam Creek, and NWP (¶¶ 4p, 5p); and**

17 **d. compliance with water quality standards for stormwater discharges to Des**  
18 **Moines Creek, Gilliam Creek, and NWP (¶¶ 4q, 5q), and**

19 **e. compliance with water quality standards for discharges to Lake Reba and Miller**  
20 **Creek (¶¶ 4z, 5z)**

21 The permit provisions authorizing compliance schedules for stormwater discharges  
22 associated with industrial activity -- permit Part II, Cond. S9 (Exh. 1 at 62) -- fail to satisfy  
23 legal requirements regarding compliance schedules. Like the compliance schedules  
24 discussed above, the compliance schedules for the Port's stormwater discharges are illegal for  
25 two major reasons. First, the compliance schedules exceed the Clean Water Act's mandatory  
26 3-year time limit for stormwater compliance. Second, the compliance schedules lack the

1 interim dates and reporting safeguards the law requires to make sure the Port actually comes  
2 into compliance within the time allowed.

3 The Clean Water Act's 3-Year Time Limit for Stormwater Compliance. The Clean Water  
4 Act's section 402(p) unambiguously requires all permits authorizing discharges of  
5 stormwater associated with industrial activity to "provide for compliance as expeditiously as  
6 practicable, but in no event later than 3 years after the date of issuance of such permit." 33  
7 U.S.C. § 1342(p)(4)(A). As this Board has previously held, this section of the Act requires  
8 strict compliance with water quality standards within three years of the initial permit  
9 coverage for stormwater. *See, Puget Soundkeeper Alliance et al. v. Ecology*, PCHB No. 02-  
10 162 at ¶¶ XX-XXI (Order Granting Partial Summary Judgment, June 6, 2003).

11 Stormwater at Sea-Tac was first covered by the NPDES permit issued on June 30, 1994.  
12 Exh. 3 at 1. Under section 402(p)(4)(A) of the Clean Water Act, Ecology was required to  
13 provide for compliance with any more stringent limitation of state law, including state water  
14 quality standards and treatment standards (*i.e.*, AKART), in no event later than three years  
15 after the date of issuance of the 1994 permit. 33 U.S.C. § 1342(p)(4)(A). Moreover, the  
16 Act's 3-year time limit for compliance for the Port's stormwater discharges expired on June  
17 30, 1997.

18 It should be noted that even under the most favorable interpretation of CWA section 402  
19 possible, the Port could be given -- *at most* -- three years from the date of *this* permit's  
20 issuance to bring its stormwater discharges into compliance. The permit under appeal was  
21 issued on September 4, 2003 (Exh. 1 at 1). Accordingly, even under the flawed reading  
22 urged by respondents, Ecology could not legally authorize a compliance schedule for  
23 stormwater extending beyond September 4, 2006 -- three years from the permit issuance  
24 date.

1           Nevertheless, Ecology did so. The compliance schedules authorized in permit Part II,  
2           Cond. S9B and S9C (Exh. 1 at 62) extend well beyond the Act's three year maximum time  
3           limit for compliance. The deadline for completing construction of BMPs is nearly four years  
4           (46 months) from the permit issuance date. *Id.* And the compliance deadline for meeting  
5           effluent limits under Part II, Table 1.A is December 31, 2007 -- more than four years after  
6           the permit issuance date.

7           The compliance schedule for Lake Reba -- if it can be called that -- contains no  
8           compliance deadline at all. *See*, Exh. 1 at 54 (directing the Port to "work with other entities  
9           contributing to Lake Reba . . . to develop an action plan to attain compliance with the water  
10          quality standards[.]") While the "action plan" is to be submitted with the final  
11          comprehensive receiving water report on April 1, 2008 (more than four and one-half years  
12          after the permit issuance date), there is no deadline for attaining compliance.

13          Ecology has no authority to issue a permit with new compliance schedules allowing the  
14          Port to delay implementation of AKART and compliance with water quality standards  
15          beyond the time period allowed under federal law. The permit's compliance schedules for  
16          discharges of stormwater associated with industrial activity are plainly illegal.

17          Interim Dates and Reporting Requirements. The stormwater compliance schedules are  
18          also illegal because they include interim dates that are more than one year apart, and because  
19          they fail to require progress reports adequate to assure that the Port attains compliance within  
20          the time allowed.

21          Although the permit became effective on October 1, 2003, the first interim date identified  
22          by the compliance schedule is sixteen months later -- January 31, 2005. Exh. 1 at 62. This  
23          violates 40 CFR § 122.47(a)(3), discussed above. In addition, permit Part II, Cond. S9 fails  
24          to include any progress reporting requirement during this sixteen-month period. This  
25          violates 40 CFR § 122.47(a)(3)(ii), discussed above.

1 In both respects, the permits compliance schedules for stormwater are illegal, and fail to  
2 satisfy the requirements of federal law.

3  
4 **Mixing Zones**

5 **20. Did Ecology satisfy all applicable legal requirements in authorizing a mixing zone  
6 for IWTP discharges? (§§ 4f, 5f; 4g, 5g)**

7 Ecology did not satisfy all applicable legal requirements in authorizing a mixing zone  
8 for IWTP discharges because the Port has not yet implemented AKART at the IWTP. Under  
9 WAC 173-201A-100(2), "A discharger shall be required to fully apply AKART prior to  
10 being authorized a mixing zone." The permit authorizes a mixing zone for IWTP discharges  
11 in Part I, Cond. S1.C (Exh. 1 at 13), even though the maximum allowable compliance  
12 schedule expired on June 30, 2004 and the permit does not require AKART implementation  
13 until July 1, 2007.

14  
15 In addition, Hearing evidence and testimony will show that Ecology does not possess  
16 supporting information clearly indicating that the mixing zone does not have a reasonable  
17 potential to cause a loss of sensitive or important habitat, substantially interfere with the  
18 existing or characteristic uses of the waterbody, or result in damage to the ecosystem, as  
19 required by WAC 173-201A-100(4). For example, it is uncontested that critical salmon  
20 habitat exists in the vicinity of the IWTP Outfall. *See*, Exh. 90. Moreover, the Port has  
21 stated it is virtually certain the IWTP discharges would fail toxicity testing. *See*, Exh. 15 at  
22 10. Nevertheless, Ecology authorized a mixing zone for the IWTP discharge (Exh. 1 at 13),  
23 even though the Port is not required to submit the results of toxicity testing until March 2005.  
24 Exh. 1 at 17.

1  
2 **21. [Withdrawn by letter dated July 2, 2004.]**

3 **Toxicity Testing**

4 **22. Do the permit provisions for toxicity testing satisfy all applicable legal**  
5 **requirements? (¶¶ 4i, 5i; 4j, 5j; 4ii, 5ii; 4kk, 5kk)**

6 The NPDES permit provisions for toxicity testing of IWTP effluent are found in  
7 permit Part I, Conds. S3 and S4. Exh. 1 at 17-25. As will be established at Hearing,  
8 numerous pollutants present in the Port's IWTP effluent, including the BOD, COD, and  
9 tolytriazoles contributed by aircraft anti-icing and deicing fluids, are known to contribute to  
10 toxicity. *See, e.g.*, Exhs. 65, 83-86.

11  
12 However, neither of the permit conditions requires the Port to test the Port's actual  
13 ("full strength") IWTP effluent for toxicity. Instead, both of these conditions allow testing of  
14 IWTP effluent toxicity when the effluent BOD concentration is "at, or below, 250 mg/L to  
15 simulate the post AKART effluent quality." Exh. 1 at 17, 21 (emphasis added). In light of  
16 the emphasized phrase "or below," the permit allows the Port to test for toxicity when there  
17 are no deicing agents present in the discharge.

18  
19 Nevertheless, the permit authorizes discharges of effluent containing unlimited levels  
20 of BOD for many years beyond the permit issuance date. Effluent limits for BOD5 in the  
21 IWTP discharge do not become effective until July 1, 2007 -- nearly four years after the  
22 permit issuance date. Exh. 1 at 11. The Port's testing of IWTP effluent also fails to test for  
23 impairment or loss of function, including sublethal toxicity.  
24  
25  
26

1 In addition, the permit provisions governing acute toxicity testing of stormwater (Part  
2 II, Cond. S8) do not specifically require toxicity testing of samples collected from the  
3 primary airfield outfall, SDS-3, during ground deicing or anti-icing events. At Hearing,  
4 appellants will show that the permit conditions are inadequate in these respects.  
5

### 6 **Monitoring**

#### 7 **23. Do the monitoring provisions in the permit satisfy all applicable legal 8 requirements? (¶¶ 4dd, 5dd; 4r, 5r; 4k, 5k; 4bb, 5bb; 4kk, 5kk)**

9 The permit's monitoring provisions do not satisfy all applicable legal requirements  
10 because the permit does not affirmatively require the Port to determine whether its  
11 stormwater discharges cause or contribute to exceedances of numeric water quality criteria.

12 Section 308(a) of the Clean Water Act directs the NPDES permitting authority to  
13 require collection of monitoring information that is sufficient to determine whether a  
14 discharger is in violation of a permit limitation:

15 Whenever required to carry out the objective of this chapter, including but not  
16 limited to (1) developing or assisting in the development of any effluent  
17 limitation, or other limitation, prohibition, or effluent standard, pretreatment  
18 standard, or standard of performance under this chapter; (2) determining  
19 whether any person is in violation of any such effluent limitation, or other  
20 limitation, prohibition or effluent standard, pretreatment standard, or standard  
21 of performance; (3) any requirement established under this section; or (4)  
22 carrying out sections 1315, 1321, 1342, 1344 (relating to state permit  
23 programs), 1345, and 1364 of this title –

24 (A) the Administrator shall require the owner or operator of any point source  
25 to (i) establish and maintain such records, (ii) make such reports, (iii) install,  
26 use, and maintain such monitoring equipment or methods (including where  
appropriate, biological monitoring methods), (iv) sample such effluents (in  
accordance with such methods, at such locations, at such intervals, and in  
such manner as the Administrator shall prescribe), and (v) provide such other  
information as he may reasonably require ...



1 33 U.S.C. § 1318(a) (emphasis added). This provision means that the permit must include  
2 monitoring sufficient to determine whether a monitored discharge constitutes a violation of  
3 permit discharge standards. For industrial stormwater discharges, Section 402(p)(3)(A)  
4 requires that these permit discharge standards must require strict compliance with water  
5 quality standards. 33 U.S.C. § 1342(p)(3)(A); *Defenders of Wildlife v. Browner*, 191 F.3d  
6 1159, 1164-65 (9<sup>th</sup> Cir. 1999).

7 Part II of the challenged permit includes a condition requiring compliance with  
8 standards. It provides, in pertinent part:

9 S3. COMPLIANCE WITH STANDARDS

10 Permittees must comply with Washington State Surface Water Quality  
11 Standards (Chapter 173-201A WAC) . . . . Compliance with standards applies  
12 to all discharges.

13 Compliance with surface water quality standards means that stormwater  
14 discharges from this facility will not cause or contribute to a violation of  
water quality standards in the receiving water.

15 Exh. 1 at 43 (emphasis added).

16 It is particularly important that monitoring information allow a determination  
17 of compliance with Condition S3. because the permit’s requirement to implement  
18 stormwater treatment methods depends on such a determination: “Treatment BMPs  
19 are required when operational and source control BMPs are not adequate to reduce  
20 pollutants below a significant amount and maintain compliance with water quality  
21 standards.” Exh. 1 at 52 (Part II, Cond. S5.B.3.c.). If the monitoring does not enable  
22 the Port to determine compliance with water quality standards as defined by  
23 Condition S3., the Port will not know whether the requirement to implement  
24 treatment BMPs is applicable.

1 At Hearing, appellants will demonstrate through evidence and witness testimony that  
2 the permit monitoring provisions do not enable the Ecology or the Port to determine whether  
3 the Port's discharges cause or contribute to exceedances of the water quality criteria found in  
4 WAC 173-201A-030 and -040. In the 401 Order, the Board explained that

5 Any analysis of whether there is an exceedance of the zinc and copper  
6 standards in WAC 173-201A-040 requires: (1) hardness data measured in the  
7 receiving water, (2) sampling over a set period of time, (3) the sampling to be  
8 conducted in receiving waters (waters of the state), not upstream of those  
receiving waters, and (4) measurement of the dissolved fraction of metals.

9 *Airport Communities Coalition*, PCHB No. 01-160 at 27. The permit does not require  
10 monitoring sufficient to provide this information.

11 In addition, the permit does not require the Port to sample and report waste streams  
12 diverted from any portion of a treatment facility under the exceptions to the prohibition on  
13 bypasses identified in permit Part I, Cond. S6.B. (Exh. 1 at 28-29). Under certain conditions  
14 identified in that section, the Port is allowed to "bypass" treatment and to discharge --  
15 without monitoring -- industrial wastewater and contaminated stormwater that has not been  
16 treated. In addition, the permit's stormwater monitoring provisions are inadequate because  
17 they do not require monitoring for COD at all outfalls that collect stormwater runoff from  
18 areas where deicing and/or anti-icing activities occur, as required by EPA's MSGP. *See*,  
19 Exh. 82. The permit monitoring provisions are also inadequate because the Port is not  
20 required to use stormwater grab samples taken within the first 30 minutes of discharge.  
21  
22

23 **Failure to Implement Conditions of the PCHB's 401 Order**

24 **24. Does the permit fail to implement Condition 1 of the PCHB's 401 Order, requiring**  
25 **enhanced treatment BMPs? (§§ 4s, 5s)**  
26

1 Condition 1 of the PCHB Order requires the Port to select BMPs from the enhanced  
2 treatment list of the Stormwater Management Manual for Western Washington (SWMMM)  
3 for better removal of dissolved metals from stormwater. The Board found this condition was  
4 necessary to provide reasonable assurance that the Port's stormwater discharges will not  
5 violate numeric water quality criteria for copper and zinc. The PCHB imposed this condition  
6 after: reviewing the provisions governing BMPs under the Port's then-existing (now  
7 previous) NPDES permit; finding that filter strips and biofiltration swales are not effective in  
8 removing dissolved metals from stormwater; reviewing the results of the reasonable potential  
9 analysis conducted by Ecology and the Port in late June of 1998; reviewing the requirements  
10 of the SWMMM; reviewing the 1997 Stormwater Receiving Environment Monitoring  
11 Report; reviewing the metals concentrations in the stormwater sampling data generated under  
12 the Port's NPDES permit; reviewing the City of Des Moines' five-year water quality  
13 monitoring program report released in 2001; and reviewing the 401 Hearing testimony of  
14 Ecology witness Ed O'Brien, who testified biofiltration swales should be used in combination  
15 with other treatment options such as a basic or amended sand filter. Neither Ecology nor the  
16 Port appealed Condition 1 of the PCHB Order.  
17  
18

19 The new permit addresses the stormwater treatment BMPs in Part II, Cond. S5. Exh  
20 1 at 46-53. Cond. S5 fails to implement Condition 1 of the PCHB Order because it does not  
21 direct the Port to select BMPs from the enhanced treatment list of the Stormwater  
22 Management Manual for Western Washington (SWMMM) for better removal of dissolved  
23 metals from stormwater. Instead, the permit only requires the Port to provide a schedule in  
24 the SWPPP for implementation of any additional or enhanced BMPs that are necessary  
25  
26

1 because of a notice from Ecology, facility changes, or self-inspection. In addition, although  
2 requiring treatment BMPs when operational and source control BMPs are not adequate to  
3 maintain compliance with water quality standards, the permit does not affirmatively require  
4 the Port to determine whether its stormwater discharges cause or contribute to exceedances  
5 of numeric water quality criteria.  
6

7  
8 **25. [Withdrawn by letter dated July 2, 2004.]**

9  
10 **26. Does the permit fail to implement Condition 2 of the PCHB's 401 Order, requiring  
11 upstream/downstream and hardness monitoring? (¶¶ 4cc, 5cc)**

12 Condition 2 of the PCHB Order requires the Port to sample stormwater above and  
13 below stormwater outfalls and to monitor the hardness of the receiving waters. The PCHB  
14 imposed this condition after: reviewing the monitoring data generated under the Port's then-  
15 existing (now previous) NPDES permit; reviewing the information needed to determine  
16 compliance with numeric water quality criteria for zinc and copper; noting that knowing the  
17 hardness of the receiving water is necessary to determine the numeric criteria for dissolved  
18 metals in stormwater; noting Ecology and the Port's argument that sampling both upstream  
19 and downstream of discharges is needed to establish a violation of the water quality  
20 standards for metals in the receiving waters; and finding the permit's lack of required  
21 monitoring to result in, at best, confusing and at worst, inaccurate data. Neither Ecology nor  
22 the Port appealed Condition 2 of the PCHB Order.  
23

24 The only requirements in the new NPDES permit for sampling stormwater above and  
25 below stormwater outfalls, and for monitoring the hardness of receiving waters, are found in  
26

1 Part II, Cond. S6, "Comprehensive Receiving Water and Stormwater Runoff Study." Exh. 1  
2 at 53-55. These study-related requirements fail to implement the Board's Condition 2,  
3 because they do not apply to the Port's ongoing sampling of stormwater, to which Condition  
4 One of the Board's Order was addressed. The study requirements do not address the  
5 systemic deficiencies the Board identified in the Port's monitoring program. And, as  
6 discussed further under Issue 28 below, the study requirements are inadequate because they  
7 do not enable the Board or others to determine whether the Port's stormwater discharges are  
8 causing or contributing to violations of water quality criteria for zinc and copper in the  
9 receiving waters.  
10

11  
12 **27. Does the permit fail to implement Condition 3 of the PCHB's 401 Order, requiring**  
13 **sublethal toxicity testing? (§§ 4jj, 5jj)**

14 Condition 3 of the PCHB Order imposed the requirement of testing stormwater  
15 quality for injury to sensitive organisms, as well as mortality of those organisms. The Board  
16 reviewed the toxicity testing conducted pursuant to the then-existing (now previous) permit,  
17 and concluded "Testing for mortality, but not testing for impairment, or loss of function, we  
18 find does not measure injury to existing beneficial uses." The Board therefore "added" a  
19 condition to monitor and measure "not only mortality, but impairment and loss of function of  
20 the tested organisms." Ecology did not appeal Condition 3 of the Board's Order, and the Port  
21 abandoned its appeal of Condition 3.  
22

23 The previous permit required acute toxicity testing of stormwater, including whole  
24 effluent toxicity testing of an unmodified sample of final effluent. *See*, Exh. 2. The new  
25 permit addresses the "sublethal toxicity" testing requirement in permit Part II, Cond. S8.  
26

1 (Exh. 1 at 60-62.) As evidence to be introduced at Hearing will demonstrate, this permit  
2 term fails to implement Condition 3 of the PCHB Order because it allows the Port to conduct  
3 sublethal toxicity testing on "stormwater discharges reflected as in-stream samples" rather  
4 than on the actual stormwater discharges themselves. The permit also fails to define  
5 "sublethal toxicity," and thereby fails to assure that the Board's intent to monitor and measure  
6 "not only mortality, but impairment and loss of function of the tested organisms" will be  
7 satisfied.  
8

9 Further, Cond. S8 requires testing for sublethal toxicity on arbitrary dates (May 1,  
10 2004 and an unspecified date six months later), and fails to assure that testing for impairment  
11 and loss of function will take place during an aircraft or ground de-icing event.  
12

### 13 Comprehensive Receiving Water Study

14 **28. Are the permit provisions governing the Comprehensive Receiving Water Study**  
15 **illegal, inadequate, or otherwise unlawful? (§§ 4ff, 5ff; 4gg, 5gg; 4hh, 5hh)**

16 The permit provisions governing the "Comprehensive Receiving Water and  
17 Stormwater Runoff Study" ("CRW Study") are contained in permit Part II, Cond. S6 (Exhibit  
18 1 at 53-55). The study requirements are illegal, inadequate, or otherwise unlawful in part  
19 because they do not require the Port to evaluate the impacts of deicing chemicals in the  
20 receiving water, and because they do not require the Port to determine whether its  
21 stormwater discharges are causing or contributing to exceedances of numeric water quality  
22 criteria in the receiving waters. Like the inadequate Facility SWPPP discussed in Issue 32  
23 below, the CRW Study largely disregards the essential nature of the permitted facility -- the  
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25  
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1 fact that Sea-Tac is a major air transportation facility conducting deicing activities, and that  
2 chemical deicers and anti-icers exert biochemical oxygen demand in the receiving waters.

3 As a result, Cond. S6 does not require the Port to address BOD, COD, or dissolved  
4 oxygen in the CRW Study. Exh. 1 at 54. Moreover, of the outfalls specifically mentioned in  
5 Cond. S6, the study requires the Port to include only a single, relatively minor airfield outfall  
6 -- SDS4. Cond. S6 does not require the Port to study discharges from SDS3, which drains an  
7 area over seven times greater than that drained by SDS4. (See, Exh. 81 at Table 1.) In  
8 addition, Cond. S6 does not require the Port to evaluate grab samples taken during the first  
9 thirty minutes of stormwater discharge. Exh. 1 at 54.

11 With respect to water quality standards, Cond S6 does not require the Port to take  
12 time-averaged samples needed to determine compliance with acute and chronic numeric  
13 criteria. *Id.* Under Washington's water quality standards for toxic metals, compliance with  
14 acute criteria is assessed over a one-hour period. *See*, WAC 173-201A-040 (Note c).  
15 Compliance with chronic standards is assessed over a four-day period. WAC 173-201A-040  
16 (Note d). But Cond S6 does not require the Port to conduct monitoring averaged over these  
17 time periods. As a result, the Study will generate information that is legally irrelevant.  
18

19 In addition, as discussed under Issue 17.e above, Cond. S6's provisions regarding the  
20 development of an "action plan" for Lake Reba and the Northwest Ponds are vague,  
21 unstructured, and not tied to any specified milestones or completion deadlines. Cond. S6's  
22 provisions regarding Ecology's review and approval of the study plan are likewise vague and  
23 inconclusive.  
24

1 Cond. S6 is also illegal, inadequate, or otherwise unlawful because the Port is given  
2 far too much time -- 46 months -- to complete the CRW Study and submit the final report,  
3 with the result that addressing any identified concerns during the present permit cycle will be  
4 impossible. In contrast, the 1997 Stormwater Receiving Environment Monitoring Report  
5 was required to be designed and completed within 3 years of the permit issuance date. *See*,  
6 Exh. 3.  
7

8 **Other**  
9

10 **29. Is the permit illegal, inadequate, or otherwise unlawful because it is based on an**  
11 **inadequate Permit Application? (¶¶ 4c, 5c; 4kk, 5kk)**

12 At Hearing, evidence and witness testimony will confirm that the Port did not provide  
13 the detailed information required by federal regulation -- and by the explicit permit  
14 application instructions (*see*, Exhs. 22-27) -- when it applied to renew the permit under  
15 appeal. The permit application itself confirms that the Port did not comply with the  
16 application instructions, and that the Port did not provide the information it was instructed to  
17 provide. Exh. 11.

18 For example, the Port did not provide information about: the average flow  
19 contributed by each operation contributing wastewater to Outfall 001; the maximum daily  
20 value of chemical oxygen demand in the IWTP effluent; or the maximum daily value of total  
21 organic carbon in the IWTP effluent. Exh. 11 at Page V-1. Contrary to instructions, the Port  
22 did not provide any information about bromide, chlorine, color, fluoride, or nitrate-nitrite in  
23 the IWTP effluent; any information about 2,3,7,8-Tetrachlorodibenzo-P-Dioxin in the IWTP  
24  
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1 effluent; or any information about nineteen (19) of the pollutants listed on Page V-2 of EPA  
2 Form 3510-2C. Exh. 11 at V-2, V-3.

3 Likewise, the Port did not provide required sampling data concerning stormwater  
4 pollutants. For example, the Port did not provide: maximum or average values for a grab  
5 sample taken during the first 30 minutes for BOD, COD, TSS, total organic nitrogen, total  
6 phosphorus, copper, lead, or zinc for twelve (12) or more different stormwater outfalls; or  
7 maximum or average values for flow-weighted composite samples for COD, total organic  
8 nitrogen, total phosphorus, fecal coliform, fluoride, or surfactants for thirteen (13) different  
9 stormwater outfalls. Exh. 11, Form 2F.  
10

11 The Port's failure to provide required sampling data with its permit application is  
12 especially troubling because, as the NPDES permit fact sheet states, "The limits in this  
13 permit are based in part on information received in the application." *See*, Exh. 4. Indeed,  
14 Ecology's permit writer confirmed in deposition testimony that he relied on the information  
15 provided in the Port's permit application in establishing permit limits. *See*, Exh. 70.  
16  
17

18 **30. [Withdrawn by letter dated July 2, 2004.]**

19  
20 **31. Is the permit illegal, inadequate, or otherwise unlawful because it fails to protect  
21 marine sediment quality? (§§ 4m, 5m)**

22 The NPDES permit must assure that the discharges authorized by the permit do not  
23 violate the sediment quality standards of WAC 173-204. This requirement is addressed by  
24 permit Part I, Condition S12. (Exh. 1 at 34.) However, Cond. S12 does not assure  
25 compliance with marine sediment quality standards, because it does not require the Port to  
26

1 determine the actual status of the sediments near the IWTP's marine outfall. Instead, the  
2 permit allows the Port to resubmit sediment sample data taken many years ago.

3 As will be established at Hearing, Cond. S.12.C allows the Port to resubmit a  
4 "Sediment Data Report" based on sampling conducted in April 1995 and October 2000. *See*,  
5 Exh. 67 at 14 (Ecology's Response to Appellant's Interrogatory No. 22). Moreover, the data  
6 was previously rejected as "not adequate." *Id.*

7  
8 In addition, Cond. S.12.A directs the Port to follow the outdated guidance provided in  
9 the "Sediment Source Control Standards User Manual, Appendix B: Sediment Sampling and  
10 Analysis Plan (Ecology, 1995)", rather than the guidance provided in the "Sediment  
11 Sampling and Analysis Plan Appendix", as revised in April, 2003. In these respects, Cond.  
12 S12 fails to adequately protect marine sediment quality.

13  
14 **32. Is the permit illegal, inadequate, or otherwise unlawful because the Stormwater**  
15 **Pollution Prevention Plan (SWPPP) provisions are inadequate for an air transportation**  
16 **facility conducting deicing activities? (§§ 4ee, 5ee)**

17 In the Stormwater Multi-Sector General Permit for Industrial Activities (MSGP)  
18 (Exh. 82), EPA established minimum requirements for Stormwater Pollution Prevention  
19 Plans for air transportation facilities conducting deicing activities. *See*, 65 FR 64746, 64844-  
20 45. Comparing the two confirms that the permit's SWPPP requirements do not satisfy the  
21 minimum requirements mandated by the MSGP.

22 The Stormwater Pollution Prevention Plan (SWPPP) provisions are contained in Part  
23 II, Cond. S.5 of the Port's NPDES permit. (*See*, Exh. 1 at 46-53.) The permit's "General  
24 Requirements are stated in subsection A (Exh. 1 at 46-48). Comparing the General  
25

1 Requirements set forth in the MSGP with those included in the permit confirms the latter is  
2 deficient with respect to: drainage area site map requirements; description of potential  
3 pollutant sources; certification regarding allowable and prohibited non-stormwater  
4 discharges; description of sampling data; nonstructural controls for minimizing exposure;  
5 requirement that all BMPs identified in the SWPPP be maintained in effective operating  
6 condition; description of comprehensive site compliance evaluations; requiring consistency  
7 with state, tribal, and local plans; requiring documentation of permit eligibility with regards  
8 to ESA and NHPA requirements; requiring keeping a copy of the permit with the SWPPP;  
9 and requiring recordkeeping and keeping the SWPPP current. In short, the permit is not up  
10 to snuff, and does not require the SWPPP elements that EPA has determined are necessary  
11 and appropriate.  
12

13  
14 Specific "SWPPP Contents and Requirements" are identified in permit Cond. S5.B  
15 (Exh. 1 at 49-53). Comparing the specific requirements for air transportation facilities  
16 conducting deicing activities set forth in the MSGP with the SWPPP requirements in the  
17 Port's permit indicates the latter is materially deficient. Unlike the MSGP, the permit does  
18 not require descriptions of good housekeeping measures relating to: aircraft, ground vehicle  
19 and equipment maintenance areas; aircraft, ground vehicle and equipment cleaning areas;  
20 aircraft, ground vehicle and equipment storage areas; material storage areas; and airport fuel  
21 system and fueling areas. Exh. 1 at 51. In addition, the permit SWPPP requirements relating  
22 to source reduction are not designed to address runway deicing operations, aircraft deicing  
23 operations, and management of runoff. Exh. 1 at 52. The permit SWPPP requirements are  
24 also deficient with respect to specifying the frequency of required inspections, and requiring  
25  
26

1 that comprehensive site compliance evaluations be conducted during periods of actual  
2 deicing operations. *Id.*

3           In short, the permit-required SWPPP provisions are not designed to address the  
4 airport's high-volume use of deicing fluids and ground-based anti-icing and deicing  
5 chemicals. The permit has not kept pace with EPA-mandated advances in stormwater  
6 pollution prevention and control for air transportation facilities conducting deicing activities.  
7

1 **33. Are the permit provisions reserving the authority to informally modify the permit**  
2 **terms illegal, inadequate, or otherwise unlawful? (§§ 4II, 5II)**

3 In numerous places, the NPDES Permit reserves to Ecology the authority to  
4 informally modify specific requirements of the NPDES permit by, for example, qualifying a  
5 requirement with the phrase "unless otherwise . . . approved in writing by the Department of  
6 Ecology[.]" See, e.g., Exh. 1 at 15 (Cond. S2.B.), 41 (Cond. S.1.F.), 47 (Cond. S.5.A.4.), and  
7 68 (Cond. S.1.C.). However, federal and state regulations set forth mandatory requirements  
8 for major and minor modifications of NPDES permits. See, e.g., 40 CFR 122.62, 122.63,  
9 124.5, 124.6, 124.8, 124.10, 124.11, 124.12, 124.17, 124.53, 124.56, 124.57; and WAC 173-  
10 220-050, 060, 150, and 190. Ecology's use of the phrase "unless otherwise . . . approved in  
11 writing by the Department of Ecology" indicates Ecology has attempted to reserve the  
12 authority to approve measures other than those specified in the permit without first satisfying  
13 the substantive and procedural requirements for permit modifications set forth in the state  
14 and federal regulations just cited. This attempted reservation of authority conflicts with the  
15 plain language of the state and federal regulations, and has been rejected as contrary to law  
16 by the Pollution Control Hearings Board. See, *Puget Soundkeeper Alliance et al. v. Ecology*,  
17 PCHB No. 02-162 at §§ XXXV-XXXVIII (Order Granting Partial Summary Judgment, June  
18 6, 2003).

21 **CONCLUSION**

22 For the many reasons identified above and to be demonstrated at the Hearing, the  
23 permit is invalid. Under WAC 371-08-540, the Board should remand the permit to Ecology.  
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DATED this 6th day of July, 2004.

SMITH & LOWNEY, P.L.L.C.

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