

NEOH Construction Project
Bidder's Questions & Responses Set #6

Date/Time	Question/Issue	Response
<p>Mon 4/24/2006 6:47 PM</p>	<p>Section 01400-1.3.B.6 states that the Contractor shall take, cure and transport the cylinders to the lab for testing. Section 03300-1.4.C states that the lab will do this. Similar conflict between 01400-1.2.A.1 (Owner selects lab) and 02200-1.4A (Contractor selects lab). We would prefer that the Owner selects and pays for the lab.</p>	<p>1) Section 03300-1.4.B & C: Change "Testing firm" to read "Contractor". 2) Section 01400-1.2.A: Change to read "A. Testing Laboratory and Independent Construction Inspector 1. Owner will select and direct an independent construction inspector to monitor/perform inspection and testing services described in this Section. The independent construction inspector will work solely at the direction of the Engineer for Owner's own Quality Assurance program. 2. Contractor will select testing laboratory (Testing Lab) to perform inspection and testing services as described in this Section. The Contractor shall include the cost in the price proposal to provide his own testing services program. An allowance of \$10,000 shall be included in the Contractor's bid to cover any Engineer required testing above those expected of the Contractor. At the end of the project during the final acceptance period, any remaining amount from this allowance will be deducted from the contract amount."</p> <p>2) Replace SECTION 01400, QUALITY CONTROL, paragraph 1.2 with the attached 01400-Quality Control Erratum in Response Set #6. (Ignore Mon 4/24/2006 6:47 PM response #2 given in Set #1)</p>

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<p>Wed 5/10/2006 10:05 AM</p>	<ol style="list-style-type: none"> 1) On the Pipe Schedule on drawing GM1, the fittings for pipe system 10, 11, and 12 call for DI AWWA C110, can AWWA C153 fittings be also used? 2) On drawing C6, a 4" irrigation line is shown extending from the intake, but it is not shown elsewhere. Where does it go to and who is to install it? 3) Drawing C5 show a 4" Sanitary Sewer going from the hatchery building and then it goes under the utility building. It also looks like a box is in the parking area. Please clarify what is needed for a sanitary sewer from the hatchery building to the drain field near the utility building. 4) What size and type of vaults are needed for the Oxygen system? 5) The oil water separator on C3 and referred to on GM4, does show a size or the type of tank. Please let us know what type and size of tank is needed and the pipe diameters in and out of the tank. 6) Are there curbs, sidewalks, and slabs shown on C2, C3, and C4? E.g. are there curbs and sidewalk around the parking area? Are there curbs at the top of the retaining walls surrounding the hatchery building? Is there a concrete slab south of the clarifier? Please Clarify. 7) Is there a plan sheet M46? Can we get a copy of it? 8) What diameter are the pipe vent materials (shown on drawing C5) detailed on GC1? 	<ol style="list-style-type: none"> 1) Yes 2) The 4" irrigation line extends from the intake to the end of the gravel access road as shown on the attached site plan. Install two frost free hydrants at the approximate locations shown. The hydrant locations shall be confirmed by the Owner's Representative in the field. 3) A 4-inch-diameter sanitary sewer line extends from the hatchery building north to the septic drain field. The septic line is routed under the utility building where the drains from the utility building are picked up and included. The 4 inch line enters the septic tank located on the north side of the utility building. 4) TBD 5) Change callout on Drawing C-3 and C-4 from GM-4 to GC-3. The oil-water separator is a 1500 gallon capacity, two cell design as illustrated on Drawing GC-3. For the hatchery building oil-water separator called out on Drawing C-3, the pipe diameter in shall be 6 inch. Pipe diameter out shall be 8 inch. For the oil-water separator shown on Drawing C-4, pipe diameter in and out shall be 12 inch. 6) <ol style="list-style-type: none"> a. There are sidewalks around the perimeter of the hatchery and utility buildings as shown on Drawings C3 and C4. There are also sidewalks at the residences. There are no other sidewalks on the project. b. There is a curb around the parking area, but no sidewalk. c. Provide a 6 inch high curb on top of the retaining wall around the hatchery building. d. There is no concrete slab on the south side of the clarifier. e. There are concrete slabs located on the north side of the utility building for the pre-manufactured chemical storage building, fuel storage, water cooler and water chiller. Sizes are as shown on Drawing C4. Concrete pads shall be 12 inches thick with #5 bars EW EF. 7) There is no sheet M46 – Drawing index is in error. 8) Vents for the 30-inch diameter water supply pipeline shall be 6-inch-diameter steel pipe. Paint the steel pipe as per specification section 09800.
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<p>Wed 5/10/2006 1:40 PM</p>	<p>What is the status of the building permits? Have the plans been submitted for plan check review? Responsibility for payment vs. submittal status? Do the area jurisdictions have any control vs. federal ownership?</p>	<p>The contractor is responsible for applying for building permit. Plans have not been submitted for plan check review. www.cbs.state.or.us/external/bcd/. The county defaults to the state building code.</p>
<p>Fri 5/12/2006 8:20 AM</p>	<p>1) Dwg. M16 - ball valves are shown to be PVC. Section 15100, 2.3.A calls for stainless. Please clarify. 2) Dwg. M22, Det. D and Dwg. M24, Det. A - size for thru wall pipe spool and butterfly valve is not shown. 3) Dwg. M24, Det. F - below grade pipe is shown to be PVC. Specs call for steel. Please clarify. 4) Section 09900 2.4B - paint system requires exposed PVC pipe to be painted. A painting sub says they have never painted PVC inside a building like the Hatchery Building. Please confirm that this is really the intent. 5) Please provide a spec for the aluminum handrail.</p>	<p>1) PVC valves are fine for formalin system 2) 6 or 8 inch would be fine. 3) It should be steel or ductile iron 4) PVC gets System 3 as specified. 5) Specification provided separately.</p>
<p>Mon 5/15/2006 5:01 PM</p>	<p>1. Will a building permit(s) be required? If so, who will pay? Do you know the amount(s)? 2. I understand the Forest Service can assess a road use fee for regular use of the road to Imnaha. Will there be a fee requirement on this project? If so, do you know the amount? 3. Conflict between plan sheets and specs regarding color of CMU. Is it correct to assume standard gray block because the CMU gets covered with siding, etc?</p>	<p>1) A state building permit will be required. The contractor will apply and pay for the building permit. Information can be obtained at www.cbs.state.or.us/external/bcd/ 2) Forest Ranger in Enterprise office can be contacted at 541-426-4978 x5501 3) There is no integrally colored CMU.</p>
<p>Tue 5/16/2006 12:10 PM</p>	<p>1) A hollow core plank supplier is requesting the dead and live loading for the slabs, and if it needs a topping slab, as one is not shown.</p>	<p>Dead load = self weight Live load = 10psf (uninhabitable attics without storage). A topping slab is not required because the slab will not receive diaphragm loads.</p>

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<p>Tue 5/16/2006 12:48 PM</p>	<p>Our fabricator had been searching out the 14 gauge helical corrugated Alum and has not had much luck in finding that material. He has several suppliers that can provide the indicated material in .060 material which is thinner in thickness than the 14 gauge (0.075) that is called for. Further, our manufacturer is indicating that the vendors for this material also use a overlay joint that is pressed tight, not a welded seam, which is called for on the drawing.</p> <p>Our fabricator is continuing to search for a provider of the specified material, however if a manufacturer of the specified material is not available, would FishPro engineers accept either of the following options?</p> <p>1 - Provide the column in the material specified but at a metal thickness of .060 and the pressed seam?</p> <p>2 - Would the engineer be open to the column being fabricated of rolled sheet aluminum of a similar or greater thickness. WMT has fabricated columns previously of 3/16" (7 gauge) material.</p>	<p>1) Option 2 is acceptable.</p> <p>2) Yes. Go with rolled sheet material for the column.</p>
<p>Tue 5/16/2006 1:22 PM</p>	<p>Under spec section 14600, hoists, section 2.1; Wire Rope Hoist, calls for a electric Chain hoist??</p> <p>This is the hoist for the fish sorting brail, I assume, which requires a wire rope.</p> <p>the spec section also calls for a trolley motor?</p> <p>The hoist is stationary is it not?</p>	<p>Hoist No. 1 – fish lock brail floor. The hoist shall be a wire rope hoist with helical/parallel gearing, Gilmore-Kramer Model 4HPF5M or approved equal, 5000 lb load rating, 5 hp motor, ½ inch wire rope diameter.</p> <p>Hoist No. 2 – shock tank brail floor hoist. The hoist shall be a wire rope hoist with helical/parallel gearing, Gilmore-Kramer Model 4HPF3M or approved equal, 2000 lb load rating, 2 hp motor, 5/16 inch wire rope diameter.</p> <p>See Drawings M29 and M33.</p>
<p>Tue 5/16/2006 3:49 PM</p>	<p>1. Do we need a spec on the Oxygen flowmeters? Section 15270 does not appear to cover oxygen system.</p> <p>2. Can you clarify the LHO (low head oxygenators) locations, count, installation detail, design parameters?</p> <p>3. CMU Supplier; can we use Central Pre-mix Concrete Products Co. block? Meets all dimensional and spec requirements, but not one of the listed suppliers.</p>	<p>1) No. There are no oxygen flowmeters</p> <p>2) There are no LHO units.</p> <p>3) Contractor may submit alternative manufacturers for CMU block which meet the requirements of the Contract Specifications.</p>

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<p>Wed 5/17/2006 9:40 AM</p>	<p>1) Lostine Dwg. M39 - please provide crowder rail size. Also, a supplier is saying that the spec'd track wheels are not available.</p> <p>2) Lostine Dwg. S16, A14 - there is no access shown into the surface water tank once the slab @ El. 118' - 8" is placed, and no way to strip the formwork. Dwg. S16 shows four ladders, per Arch. Dwg. A14 shows two. Neither drawing shows the lengths.</p> <p>3) Imnaha Dwg. GC1 - please provide a spec for the sheet pile.</p>	<p>1) Crowder rail is ASCE 25# rail. For the crowder track wheels, provide a track wheel that matches the requirements indicated on Drawing M39, Mechanical Components Table, for size and load capacity.</p> <p>2) There should be four ladders as illustrated on Drawing S16. Modify Drawing A14 to add two ladders to match Drawing S16.</p> <p>Drawing S-16 illustrates a 3-foot by 3-foot access shaft at elevation 122' - 8" to the surface water tank. The removable grating indicated on S-16 provides access to the shaft. Section B, S18 indicates the concrete wall beyond which forms the edge of the access shaft. Move ladder called out on S-16 to north wall of the access shaft. Ladder shall extend from top of wall elevation 122' - 8" to the floor of the surface water head tank at elevation 95' - 0". This ladder was not shown on Drawing A14. Add the ladder to drawing A14 at the location indicated above. Ladder shall be as per Detail 9 on Drawing A12.</p> <p>Drawing A14 shows two ladders. The first ladder extends from the top of Mezzanine walkway T.O. of grating at elevation 118' - 8" to the T.O. of grating on the surface water head tanks buffer at elevation 122' - 8". The second ladder extends from the well water head tank T.O of grating at elevation 118' - 8" to the surface water head tank T.O. of grating at elevation 122' - 8". Drawing A14 indicates the location and elevations of structures where the ladders are to be installed. Add the access shaft ladder and a second ladder from the groundwater head tank to the surface water head tank as per Drawing S-16. Elevations shall be as per stated in the previous paragraph.</p> <p>As indicated above, a total of four ladders will be installed at the head water tank. All ladders shall be as per Detail 9 on Drawing A12.</p> <p>3) Provide straight web steel sheet piling, Arcelor AS 500-12.5 or equal. Minimum web thickness is 0.4 inches. Steel shall meet the requirements of ASTM A 572 Grade 60.</p>
<p>Wed 5/17/2006 10:04 AM</p>	<p>Dwg. S21 - 18 pressure relief valves are shown, however the note says to be at 24' - 4" o.c. Only two are shown in the drain channel and are more than 24' from the next row to the right, and none are shown in the supply channel, or 24' to the right of the southern most row. We're assuming only 18 are req'd. Please confirm.</p>	<p>Yes, you are correct. 18 pressure relief valves shall be installed in each raceway structure as shown in contract drawings. No pressure relief valves are required in the inlet channel of these structures.</p>

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<p>Wed 5/17/2006 11:32 AM</p>	<p>1) Drawing M2 shows 14" GW & SW, drawing M2 Show 12 GW & SW, which one is correct. 2) Drawing C4 & drain field piping specification indicate the piping to be schedule 40 with 1/8"holes. Please detail the number of rows and spacing needed.</p> <p>3) On the low pressure pipelines (the ones that will be tested with the 10' of head) . Can fernco type couplings be used?</p>	<p>1) GW & SW on drawing M3 should be 14".</p> <p>2) Septic system construction shall be in accordance with Oregon Department of Environmental Standards, OAR 340-073, Construction Standards</p> <p>The perforated drain pipe shall be as per OAR 340-073-0060, Pipe Materials and Construction:</p> <p>"The underdrain perforated pipe shall have two rows of holes spaced at 120 degrees apart and 60 degrees on either side of a centerline. The holes of each row may not be more than 5 inches on center and must have a minimum diameter of ½ inch".</p> <p>All septic system components shall meet the requirements of OAR 340-0073-0060.</p> <p>3) No.</p>
<p>Wed 5/17/2006 2:05 PM</p>	<p>1.The note on detail 3, S46; "Perimeter jump net assy" is missing the top portion of the text. Please clarify the first (top) paragraph of text that ends in ".....at adjacent segments" 2. Slide Gates GC3 and GC3 from gate schedule on Sheet M58 call for rod or cable operator. Can you clarify what this will look like? Is it more like a shear gate? We only see 1 gate on sheet S45, water control box. Is 1 gate the correct count?</p>	<p>1) Top portion of note text should read <i>1/8" HDPE NET x 6"H WITH FABRIC POCKETS</i></p> <p>2) Yes. Only one shear gate is located in the control box structure. The intent of the operator is to be able to open and close the shear gate from finish asphalt grade. See: http://www.watermanusa.com/PDF/C-16.pdf for detail of type of shear gate.</p>

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<p>Wed 5/17/2006 3:59 PM</p>	<p>1) Details provided in Bidder Questions #2 regarding the roof overbuild at the Hatchery Building do not clearly show what is required for the structural support throughout the length of the building. Can a section be given in each direction in the center of the building for this? A plan view would be helpful also.</p> <p>2) Section 01400 - 1.2 A.1 and Bidder Questions #1: What testing is expected of the contractor? Addendum #1, Section 03002, pg. 17 states that the Owner will employ and pay for concrete testing services which is what we would prefer. Can the Owner do the same for earthwork and asphalt compaction testing? The Owner will do the masonry testing per Section 04200. The asphalt and ready mix companies do their own trial batches and quarries provide gradations for imported aggregates. Not sure what the \$10,000 is for.</p> <p>3) Addendum #1 provided a new spec section for concrete - 03002. Does this replace the original Section 03300? Both are listed in the revised table of contents issued in Addendum #1.</p>	<p>1) No additional structural support is required under overbuild areas. At overbuild areas fully sheath entire area under overbuild framing with the metal decking as specified and shown on the original drawings.</p> <p>Hand frame the overbuild gable roof with 600S162-54 joists at 24 inches on center spanning from a continuous 16 gauge sleeper at the valley to a stud wall at the ridge. The sleeper connection to metal decking shall consist of (2) #10 Teks screws at 6 inches on center. The ridge stud wall shall be framed with 600S162-54 studs at 16 inches on center with 600T150-54 continuous tracks top and bottom. Cut and bend stud web and flanges as required for screwed connections. Use no less than (4) #10 Teks screws at each connection.</p> <p>2) Replace SECTION 01400, QUALITY CONTROL, paragraph 1.2 with the attached 01400-Quality Control Erratum (Ignore Mon 4/24/2006 6:47 PM response #2 given in Set #1)</p> <p>3) Concrete specification 03002 does not replace specification 03300.</p>