STATE OF COLORADO

Ebert - DNR, Jared <jared.ebert@state.co.us>

Re: No Laporte Gravel Corp, Comments and Declarations, M2017036 Knox Plt HAVIS Resume

Pete Waack <chetek65@yahoo.com> Wed, Nov 8, 2017 at 4:28 PM
To: "jared.ebert@state.co.us" <jared.ebert@state.co.us>

Hello Mr. Ebert:

Missing from the packet of documents I sent was the resume of Robert Havis, a expert witness for No Laporte Gravel Corp. Please excuse this oversight.

Please see attached, thank you.

Pete Waack

On Wednesday, November 8, 2017, 3:53:30 PM MST, Pete Waack <chetek65@yahoo.com> wrote:

Hello Mr. Ebert:

Here are the documents attached individually.

Thank you.

Pete Waack

On Wednesday, November 8, 2017, 3:50:30 PM MST, Pete Waack <chetek65@yahoo.com> wrote:

Dear Mr. Ebert:

Please accept the attached documents from No Laporte Gravel Corp with regards to the Loveland Ready Mix, Knox Pit, application with DRMS No. M2017036.

We want to be considered an aggrieved party and request a hearing with DRMS to discuss this application.

I have attached a zipped folder with all the documents. I will also send another email with the individual documents attached in case this zip folder cannot be opened on your end.

Please confirm receipt.

Thank you,

Peter Waack
Board Member, No Laporte Gravel Corp
3116 Gold Charm Drive
Fort Collins, CO 80524
(315) 876-2512

Robert Havis Resume 11_8_17.pdf
183K

RESUME

Robert N. Havis
P.O. Box 1437
LaPorte, CO 80535
w) 970/295-5768
h) 970/221-9665

EDUCATIONAL BACKGROUND

Ph.D. Civil/Environmental Engineering, Colorado State University, Fort Collins, Colorado, December 1986

M.S. Civil/Environmental, Engineering, University of Massachusetts, Amherst, Massachusetts, May 1983

B.S. Civil Engineering, University of Massachusetts, Amherst, Massachusetts, May 1980

B.A. Anthropology, University of Massachusetts, Amherst, Massachusetts, May 1976

EMPLOYMENT HISTORY

01/17 – present, **Owner/Consulting Civil Engineer**, HAVIS Engineering, P. O. Box 1437, LaPorte, CO

Air and water quality analysis of gravel mining operations

03/99 – 01/17, **Information Technology Specialist/Systems Analyst**, USDA, Forest Service, Forest Management Service Center, 2150 Centre Ave., Fort Collins, CO

Software Engineer for the Forest Vegetation Simulator (FVS) model, forest growth and yield, and ecological habitat simulation, developed the FVS WRENSS water yield post processor, organized international FVS Conferences

01/98 - 03/99, **Information Technology Specialist/Systems Analyst**, Autometric Service Company, 2835 East Mulberry, Fort Collins, CO

Software Engineer for the Insect and Disease model extensions to the Forest Vegetation Simulator model

04/97 - 01/98, **Owner/Consulting Civil Engineer**, HAVIS Engineering, P. O. Box 1437, LaPorte, CO

Analyzed water quality impacts of hard-rock mining projects, long-term simulation of hydrologic water balance and performance of reclamation covers, predicted unsaturated moisture seepage through mine waste reclamation covers, and ground water and surface water flow

10/95 - 04/97, **Senior Hydrologist**, Shepherd Miller, Inc, 3801 Automation Way, Suite 100, Fort Collins, CO

Analyzed water quality impacts of hard-rock mining projects, long-term simulation of hydrologic water balance and performance of reclamation covers, third-party review of environmental impact statements for mining projects, predicted oxygen flux through porous media and pyrite oxidation rates in mine wastes

07/92 – 10/95 **Owner/Consulting Civil Engineer**, HAVIS Engineering, P. O. Box 1437, LaPorte, CO

Developed the CDFATE model under contract to the US Army Corps of Engineers, Waterways Experiment Station to simulate the trajectory and dispersion of negative- and neutrally-buoyant sediment plumes from dredging operations, analyzed the long-term transport of arsenic and metals in surface water and infiltration at northwestern log yards

07/90 – 07/92 **Research Associate**, USDA-Agricultural Research Service, Fort Collins, CO

Developed the Salmonid Spawning Analysis model software in cooperation with the Intermountain Research Station, Boise, Id, participated in field-data collection study for model testing and verification at the South Fork of the Salmon River in Central Idaho, analyzed sediment transport data including washload and bedload sediment intrusion into salmonid spawning gravels

02/89 – 07/90 **Senior Engineer**, Noranda, Inc., Denver CO

Managed environmental permit acquisition for hard-rock mining projects (e.g. New World Project, Cooke City Montana, Gray Eagle Project, Happy Camp California, Blackbird Project, Salmon Idaho), supervised consultants in baseline studies, inspector of land, water and air pollution liabilities at mineral extraction, benefciation, refining and manufacturing operations

10/87 – 02/89 **Hydraulic Engineer**, USDA-Agricultural Research Service, Columbia MI

Analyzed agricultural chemical transport, ground water recharge and ground water base flow resulting from alternative cropping systems at research watersheds in Iowa and central Missouri, analyzed nitrate, ammonium and orthophosphate leaching from crop residue under simulated rainfall

10/86 – 10/87 **Hydraulic Engineer**, USDOD-Army Corps of Engineers, Waterways Experiment Station, Environmental Laboratory, Vicksburg, MS

Principal investigator for the Improvement in Operation and Maintenance Technology work unit Contaminant Release Control During Dredging, supervised consultants in field monitoring of suspended sediment plumes from hopper dredging at the Saginaw River, Chesapeake Bay, planned dredging of PCB contaminated sediments at New Bedford Harbor, Massachusetts

PUBLICATIONS

Havis, R. N.. 2016. The FVS-WRENSS Water Yield Post-Processor: Validation of Snow-Dominated Procedures. In Keyser, Chad E.; Keyser, Tara L., eds. 2017. Proceedings of the 2017 Forest Vegetation Simulator (FVS) e-Conference. e-Gen. Tech. Rep. SRS-224. Asheville, NC: U.S. Department of Agriculture Forest Service, Southern Research Station. P 24-33

Havis, R. N. and N. L. Crookston, comps. 2008. Third Forest Vegetation Simulator Conference, February 13-15, 2007, Fort Collins, CO. Proc. RMRS-P-54. Ogden UT. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 234 p.

Crookston, N. L. and R. N. Havis, comps. 2002. Second Forest Vegetation Simulator Conference, February 12-14, Fort Collins, CO. Proc. RMRS-P-25. Ogden UT. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 208 p.

Havis, R. N. and S. J. Worthington, 1997. A simple model for the management of mine pit lake filling and dewatering. Proc. Tailings and Mine Waste '97. Fort Collins Colorado, Balkema Publishers, Rotterdam.

Havis, R. N., C. V. Alonso and J. G. King. 1996. Modeling sediment in gravel bedded streams using HEC-6. J. Hyd. Eng. Div. ASCE, (122)10 559-564

Havis, R. N. and E. E. Albert, 1993. Nutrient leaching from corn and soybean residue under simulated rainfall, Soil Sci. Soc. Am. J. 56:211-218

Havis, R. N., C. V. Alonso, J. G. King and R. Thurow, 1993. A mathematical model of salmonid spawning habitat, Water Resources Bulletin, (29)3 435-444

Havis, R. N., R. E. Smith and D. D. Adrian, 1992. Solute transport from soil to overland flow under rainfall, American Geophysical Union, Water Resources Research, (28)10 2569-2580

Havis, R. N. and D. W. Ostendorf, 1989. Approximate dynamic lake phosphorus budget models. J. Env. Eng. Div. ASCE, 115(4) 809-821, August

Havis, R. N., C. V. Alonso, J. G. King and R. Thurow, 1992. Gravel siltation mechanisms in salmonid aquatic habitat. Proceedings, 5th International Symposium on River Sedimentation (ISRS), Karlsruhe, Germany, April 6-10, 1992

Havis, R. N., C. V. Alonso, J. G. King and R. Thurow, 1992. Modeling gravel siltation in salmonid spawning habitat. Proceedings, 12th Annual American Geophysical Union, Hydrology Days, ed. H. J. Morel-Seytoux, March 31 - April 3 1992, Colorado State University, Fort Collins, CO

HAVIS Environmental, 1994. Mixing zone simulation model for dredge overflow and discharge into inland and coastal waters, Model Documentation. Submitted in Partial Fulfillment of Contract No. DACW39-93-C-0109 to the US Army Corps of Engineers, Waterways Experiment Station, Vicksburg, Miss.

HAVIS Environmental, 1995. Contaminant dispersion around open pipeline disposal into inland and coastal waters, Submitted in Partial Fulfillment of Contract No. DACW39-94-M-6457 to the US Army Corps of Engineers, Waterways Experiment Station, Vicksburg, Miss.

Havis, R. N. 1992, SSAM, Salmonid spawning analysis model, model documentation. Submitted in Partial Fulfillment of the Cooperative Agreement Contract No. INT-90480-IA, to the US Forest Service, Intermountain Research Station, Boise, ID.

McLellan, T. N., R. N. Havis, D. F. Hayes and G. L. Raymond, 1989. Sediment resuspension characteristics of selected dredges, Technical Report HL-89-9, U. S. Army Engineer, Waterways Experiment Station, Vicksburg, Mississippi

Havis, R. N., 1988. Sediment resuspension by selected dredges. Technical Note EEDP-09-2, U. S. Army Engineer, Waterways Experiment Station, Vicksburg, Mississippi

Havis, R. N., 1988. A preliminary evaluation of contaminant release at the point of dredging. Technical Note EEDP-09-3 U. S. Army Engineer, Waterways Experiment Station, Vicksburg, Mississippi

Havis, R. N., 1987. Sediment resuspension at the point of dredging, Proceedings of U.S. Army Corps of Engineers, San Francisco District, Navigation Workshop, 18-21 May, 1987, San Francisco, California

Havis, R. N., 1986. Solute transport from soil to overland flow, Proceedings of the Sixth Annual AGU Front Range Branch Hydrology Days Symposium, eds. H. J. Morel-Seytoux and J. W. Warner, Colorado State University, Fort Collins Colorado, April 1986

Havis, R. N., D. D. Adrian, D. W. Ostendorf and R. R. Noss, 1983. Mathematical modeling of the recovery of a eutrophic lake with special application to Lake Warner, Massachusetts, Report No. ENV. ENG. 76-83, Department of Civil Engineering, University of Massachusetts, Amherst, Massachusetts

Havis, R. N., 1983. Long term models of phosphorus in completely mixed lakes, Proceedings of the Third Annual AGU Hydrology Days Symposium, April 19 - 21, 1983, Colorado State University, Fort Collins, Colorado

AWARDS AND RECOGNITION

USDA Secretary of Agriculture 2001 – Group Honor Award for Excellence
Listed in Marquis, Who's Who in Science and Engineering
Dissertation Award, Solute transport from soil to overland flow; Mine Land Reclamation Group, Colorado State University, Fort Collins, Colorado.
On the Spot, Cash Award, January 1987, Federal Employee Awards Program, Reward for Outstanding Work on the USAE Improvement in Operations and Maintenance Techniques Program.

REGISTRATION AND ORGANIZATIONS

Registered Professional Engineer, Colorado, No. 33999
Member American Society of Civil Engineers
Order of the Engineer