



JASON C. HIGNITE

Regulatory Compliance Specialist

ACADEMIC BACKGROUND

Masters in Natural Resources and Environmental Management, Ball State University, Indiana 1998

Bachelor of Liberal Arts, Ball State University, Indiana 1994: Minors—Natural Resources and Environmental Management, Native American Studies; Areas of Emphasis—English, History; Architecture, Landscape Architecture

SPECIALIZED PROFESSIONAL COMPETENCE

Mr. Hignite has more than 18 years of professional experience in environmental sciences and regulatory compliance, both in the United States Navy and as a civilian consultant. He has completed projects throughout the United States, including several in Florida. He has over 15 years experience in National Environmental Policy Act (NEPA) compliance for various state departments of Transportation (DOT), the Federal Aviation Administration (FAA), the Department of Defense (DOD), Federal Communications Commission (FCC), the US Department of Housing and Urban Development (HUD), and the US Postal Service. Furthermore, educated as an ecologist and trained in hazardous materials (HAZMAT) management, Jason has carved a rare niche of dealing with HAZMAT issues in sensitive natural environments. He also has experience in stormwater management, spill response planning, environmental site assessments, wetland and riparian studies and permitting, mitigation design and implementation, monitoring, watershed assessments and management plans, and habitat assessments. Jason is a member of the National Association of Environmental Professionals, and has spent years on the environmental committees of the Florida Airports Council, the American Association of Airport Professionals, and the Airport Consultants Council.

REPRESENTATIVE PROFESSIONAL EXPERIENCE

Regulatory Compliance Specialist

SWC, Hollywood, Miami and Key West, 2011 to present

Serving as overall SWC project manager for environmental and regulatory documentation and compliance, including oversight of NEPA documentation and construction compliance management. Work includes development and implementation of habitat impact assessments and mitigation plans, and conducting environmental site assessments and HAZMAT response plans, with particular focus on airport, port and roadway projects.

Environmental Analyst, Beam, Longest and Neff, LLC, 2010 to 2011

Indianapolis, Indiana

Provide consulting services to private sector clients in areas of regulatory compliance; ecological/environmental and land use planning and permitting, including habitat assessment, mitigation and contamination assessment and remediation; public involvement and outreach; and community and government liaison.

➤ **Ohio River Bridges Project, Supplemental EIS, Indiana and Kentucky**

Quality Assurance Supervisor for development of Supplemental Environmental Impact Statement (SEIS) for the preferred alternative (from the Final EIS) and modified preferred alternative. The \$4.7 billion dollar project includes the construction of two new bridges across the Ohio River between Louisville, KY and Jeffersonville, IN and the northern completion of the I-265 loop.

➤ **SR 641 Bypass Project, Permitting and Mitigation Design, Vigo County, Indiana**

To serve as a bypass from I-70 to US41 around Terre Haute, Indiana, SR641 is approximately 13 miles of new alignment across agricultural, residential, and forested properties. The project includes over 7 acres of wetland impacts, 1,200 linear feet of stream relocation, and approximately 100 acres of viable Indiana bat (*Myotis sodalis*) habitat. Formal Consultation under Section 7 of the Endangered Species Act rendered a Biological Opinion requiring 300 acres of bat habitat mitigation. Furthermore, The US Army Corps of Engineers and Indiana Department of Environmental Management required increased mitigation ratios for stream and wetland impacts due to resource quality. All mitigation was accomplished within a 3 mile radius of the project-center.

➤ **I-69 New Interchange Project, NEPA Document and Mitigation Planning, Allen County, Indiana**

A new interchange along I-69 north of Ft. Wayne, Indiana incurred impacts to over 400 linear feet of streams and an acre of area set aside for bat habitat mitigation. The stream impacts were mitigated at a 1:1 ratio by



OFFICES IN MONROE, DADE, BROWARD AND LEE COUNTIES

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restoring degraded tributaries to Cedar Creek. The impacts to the bat habitat mitigation site were mitigated along the channels of the stream mitigation.

- **Various Wetland Permitting, Mitigation, and Monitoring Projects**
Prepared multiple 401/404 permits and mitigation plans for projects throughout Indiana. Facilitated the installation of mitigation design requirements at various sites as well. Also, performed maintenance and monitoring tasks for existing mitigation projects.
- **Habitat for Humanity Projects**
Facilitated NEPA compliance for multiple Habitat for Humanity projects across the Midwest. These projects required NEPA clearance due to receiving funding from HUD.
- **Keys Emergency Response Task Force, Deepwater Horizon Oil Spill**
Asked to present information regarding effective volunteer initiatives and appropriate commercial response to residents and business owners during the "Reef Fest" event in Key Largo (June 2010). Most discussions were held with dive shop owners and charter fishing business owners.
- **Front Range Airport, Environmental Scoping, Denver, Colorado**
Assisted the staff at Front Range Airport to develop a scope for completing the NEPA process for the impacts associated with increasing the load capacity of their primary runway.
- **Jasper County Bridge #198 Replacement Project, Remington, IN**
Construction limits extended into an intersection with three abandoned service stations. A review of state records could not verify if the tanks had been removed. Therefore, subsurface investigations were performed to determine the presence of contaminated soils within the project area. Samples were analyzed for VOCs, SVOCs, BTEX, and RCRA Metals. All detections were below regulatory reporting limits.

Environmental Compliance/ISO Manager, 2009–2010

Eagle Magnetic, Indianapolis, Indiana

Developed environmental compliance protocols for specialized metals fabrication facility during ISO Standards Certification.

- **Waste Stream Management and Recycling Program**
Reduced process waste by 73%. This was accomplished largely by coordinating with vendors by reducing the amount of waste materials that are sent to the facility (i.e. packing, under-loaded containers, etc.), by returning fixtures to vendors, and by recycling what could not be reduced or reused. A comprehensive recycling program was also prepared for the administrative spaces and employee break rooms. Waste paper was reduced by approximately 90%, waste metals by 60% (many of the metals used in the facility are specialty and cannot be recycled), and glass by approximately 75%.
- **Transportation, Storage, and Disposal Program**
A protocol was established for the transportation, storage, and disposal of hazardous and special materials and waste. Secondary containment was required for all processes. Also, a chain-of-custody form was developed for the "movement" of materials and waste.
- **Health and Safety Plans**
Individual Health and Safety Plans (HASP) were developed for the two major parts of the facility, the fabrication area and the administration area. Material Safety Data Sheets (MSDS) were properly filed in coordination with each HASP.

Director of Environmental Planning Service Line, 2005–2009

RW Armstrong, Indianapolis, Indiana

Initiated the Environmental Planning Service Line for a global A/E firm. Developed company-wide standards for environmental documents and GIS data management. Managed daily process of the service line. Supervised and mentored staff.

- **US 31 Hamilton County Improvement Project, Supplemental EIS, Hamilton County, IN**
Project Manager for the development of a Supplemental EIS for the US 31 Hamilton County Improvement Project. Having served as the Environmental Lead during the original EIS process, brought an intimate knowledge of the project to the team. Served as environmental spokesperson during community outreach events.



- **Nashville International Airport GA Expansion, Environmental Assessment, Nashville, TN**
Developed an Environmental Assessment Short Form for the expansion of the General Aviation (GA) apron and ancillary facilities. A Finding of No Significant Impacts (FONSI) was issued within nine months of the initiation of the project. As project manager tasks included project scoping, development of project purpose and need, alternatives analysis, facilitation of all field work, management of sub-consultants, agency coordination, documentation, and public outreach.
- **Salem Municipal Airport Improvement Project, Environmental Assessment, Salem, IN**
Operational needs of the airport far surpassed the facility specifications. A longer runway was needed for larger aircraft. A runway extension was not feasible due to rare ecological features (sinkhole swamps) near the end of the runway. A Gap Analysis was performed in the area surrounding the airport. A location was found for an entire new airport that incurred minor impacts. As project manager tasks included project scoping, development of project purpose and need, alternatives analysis, facilitation of all field work, management of sub-consultants, agency coordination, documentation, and public outreach.
- **White County Municipal Airport Improvement Project, Environmental Assessment, Monticello, IN**
Operational demands were in excess of the runway specifications of the existing facility. Significant environmental features to the south of the facility limited viable alternatives to a northern extension. Furthermore, siltation of Lake Freeman was being blamed on the airport. Extensive sediment transport and erosion assessments were performed to debunk the claims. The NRCS and County Drainage Board concurred with the findings. As project manager tasks included project scoping, development of project purpose and need, alternatives analysis, facilitation of all field work, management of sub-consultants, agency coordination, documentation, and public outreach.
- **Lima Municipal Airport Improvement Project, Environmental Assessment, Lima, OH**
Operational demands were in excess of the runway specifications of the existing facility. As project manager tasks included project scoping, development of project purpose and need, alternatives analysis, facilitation of all field work, management of sub-consultants, agency coordination, documentation, and public outreach.
- **US 31 Plymouth to South Bend Wetland and Stream Mitigation Project, Northern IN**
Developed a 120 acre wetland mitigation site for impact associated with the US 31 Plymouth to South Bend Project. The site was developed in cooperation with the Indiana Department of Transportation.
- **Naval Air Station Oceana Wetland Permitting and Mitigation, Virginia Beach, VA**
NEPA documentation and permitting was required for a runway pavement rehabilitation project at the air station. Since the project occurred during a time of international conflict, a very strict timeline was imposed in which the air field could be closed to facilitate the project. The NEPA document and permitting ran concurrently. An early stakeholder meeting established the need for aggressive coordination. The Categorical Exclusion and Joint Permit (Individual) was both completed within 90 days of Notice to Proceed. As project manager tasks included project scoping, facilitation of all field work, management of sub-consultants, agency coordination, documentation, and stakeholder outreach.
- **Chamber Field, Norfolk Naval Station Wetland Services, Norfolk, VA**
NEPA documentation and permitting was required for a storm water rehabilitation project at the air field. Operational capacity of this field was much smaller than the surrounding air stations. Therefore, aggressive timeframes were not required. The Categorical Exclusion and Nationwide Permit were completed within six months of Notice to Proceed. The Categorical Exclusion and Joint Permit (Individual) was both completed within 90 days of Notice to Proceed. As project manager tasks included project scoping, facilitation of all field work, management of sub-consultants, agency coordination, documentation, and stakeholder outreach.
- **FAA Categorical Exclusions (NEPA)**
Supervised the preparation of over 50 Categorical Exclusion documents for airport projects across the eastern portion of the US. These documents were prepared for minor activities proposed for airports including (but not limited to) pavement rehabilitation, taxiway resurfacing, tree clearing for approach protection, etc. Categorical Exclusion documents were prepared for clients in Indiana, Ohio, Michigan, Illinois, Tennessee, Nebraska, Alabama, and Florida.
- **Little Calumet River Watershed Management Plan, Gary, Indiana**
A Watershed Management Plan was prepared for the Little Calumet River in Gary, Indiana. The plan was prepared in accordance with Section 319 Grant requirements. The plan identified all potential impact sources along the river and within the watershed. These included regulated waste producing facilities, septic fields,



non-point source zones, etc. As project manager tasks included project scoping, facilitation of all field work, management of sub-consultants, agency coordination, documentation, and public outreach.

➤ **Regional Transit Plaza, Abuja, Nigeria**

Pilot projects were being developed for regional transit plazas throughout Nigeria. These were to be places for refueling of vehicles and trucks, eating, banking, shopping, etc. in remote highway locations between major destinations. Water quality is a significant issue in this arid environment. All surface water was captured and diverted through settling basins and treated in small biofiltration units throughout the facility (i.e. landscape features, etc.). Gray water captured from buildings and from truck and car wash facilities was treated in large settling basins and mixed media, bio filtration systems within the facility. This water was reused as wash water. As sustainability lead tasks included project scoping, supervision of design, documentation and outreach.

➤ **Regional Development, Environmental Scoping, Changuinola, Costa Rica**

A new destination location (hotels, shopping, etc.) was being planned south of Changuinola, Costa Rica. The developer needed a plan for completing the environmental process. Though documentation was required for an environmental screening plan, there was no established federal process at that time that provided necessary guidance. A process for environmental compliance was established based on the NEPA process.

➤ **Regional Development, Environmental Scoping, Ka Lae, Hawaii**

A new planned community (residential, recreation, business, etc.) was being developed near Ka Lae, Hawaii. A municipal airport was part of the long term plan. The developer needed a plan for completing the environmental process of including the airport's environmental requirements with the State environmental requirements. A process for environmental compliance was established based on the FAA's NEPA process (FAA Order 5050.4B) and State requirements.

➤ **Airport Master Plans, Environmental Overview**

Was involved in the environmental portion of all airport mastering plan documents. FAA guidance requires a "NEPA-wise" assessment of environmental issues during the master planning phase. A majority of the data acquired for these tasks was from secondary sources (i.e. National Wetland Inventory Maps, FEMA flood mapping, etc.). As project manager tasks included project scoping, management of sub-consultants, agency coordination, documentation, and client meetings.

➤ **Spill Prevention, Control, and Countermeasures (SPCC) Plans**

Prepared SPCC Plans for airport clients as per 40 CFR 112.

- Findlay Airport, Findlay, Ohio
- Delaware Municipal Airport, Delaware, Ohio
- Daytona International Airport, Daytona, Florida

➤ **Storm Water Pollution Prevention Plans (SWPPPs)**

Prepared SWPPPs for airport clients as per requirements of Indiana Administrative Code under Title 327, Article 15, Chapter 5

- Greenwood Municipal Airport, Greenwood, IN
- Terre Haute International Airport, Terre Haute, IN
- Michigan City Municipal Airport, Michigan City, IN

➤ **Environmental Due Diligence Audits**

Conducted over 350 environmental assessments for federal (AC 1050.19B) real estate transactions throughout the eastern US including Alabama, South Carolina, Indiana, Ohio, Illinois, Michigan, Nebraska, Virginia, New York, and Tennessee (most notable include):

- Rochester Regional Airport, Rochester, NY
- Dothan Regional Airport, Dothan, AL
- Brainerd Lakes Regional Airport, Brainerd, MN
- Lincoln Airport, Lincoln, NB
- Winchester Regional Airport, Winchester, MO
- Myrtle Beach International Airport, Myrtle Beach, SC
- Mobile Regional Airport, Mobile, AL

➤ **Eclipse FSC, Gainesville Regional Airport, Florida**

Performed a Phase I and Phase II Environmental Site Assessment in preparation for the development of the Eclipse FSC facility at the Gainesville Regional Airport. The initial phase of the site assessment indicated



nearby (up gradient) RCRA and CERCLIS facilities. Subsurface sampling was performed to determine the presence of adverse impacts from these off-site facilities.

Senior Environmental Planner, 2002-2005

Parsons Transportation Group, Indianapolis, Indiana

Served as Environmental Lead on multiple large NEPA projects for State DOT clients.

- **US 31 Hamilton County Improvement Project, EIS, Hamilton County, IN**
Served as Environmental Lead on a 13 mile highway improvement project through Hamilton County, Indiana (the sixth wealthiest county in the country). Multiple political agendas conflicted on this project. Though environmental impacts were relatively minor, public response to the project was aggressive, both for and against the project. As Environmental Lead tasks included project scoping, development of project purpose and need, alternatives analysis, facilitation of all field work, management of sub-consultants, agency coordination, documentation, and public outreach.
- **US 31 Kokomo Corridor Project, EIS, Howard and Tipton Counties, IN**
Served as Environmental Lead on a 22 mile highway bypass project through Tipton and Howard Counties, Indiana. Multiple new stream crossings, wetland impacts, displaced residences, and Section 106 impacts were all realized by the project. Public response to the project was moderate toward the project. As Environmental Lead tasks included project scoping, development of project purpose and need, alternatives analysis, facilitation of all field work, management of sub-consultants, agency coordination, documentation, and public outreach.
- **Colorado TREX (Transportation Expansion) Project, EIS, Denver, CO**
As part of the project team, provided document QA/QC for all phases of the NEPA assessment.
- **Theodore Roosevelt Bridge Project, EIS, Washington, D.C.**
As part of the project team, provided water quality and wetland assessments for the EIS of the project. Facilitated all field work and documentation regarding water resources.
- **Emergency Permitting, Marathon Pipeline Rupture, IN/IL**
Project Manager – Marathon Oil pipeline maintenance workers discovered a flaw in a 24" pipeline crossing of a high quality stream channel at the border of Indiana and Illinois. Marathon needed to excavate the pipeline to repair the flaw before the pipe ruptured and discharged gallons of raw crude into the stream. An emergency Nationwide permit application was submitted and approved within 18 hours of receiving the Notice to Proceed.
- **Engineering Feasibility, Environmental Overview, Brent Spence Bridge, OH/KY**
Served as environmental lead for environmental screening of potential alternatives analyzed for an engineering feasibility study of the Brent Spence Bridge that crosses from Cincinnati, Ohio, across the Ohio River, into Covington, Kentucky.

Project Manager, 2001–2002

JF New and Associates, Indianapolis, Indiana

Worked briefly as a project manager for this ecological consulting firm. Areas of specialization included NEPA projects, soils analysis, and watershed studies.

- **Buckmore Golf Course, Forensic Wetland Delineation, Brookville, IN**
Project Manager – the Army Corps of Engineers brought Corrective Action against the Buckmore Golf Course for allegedly filling wetlands and streams without a permit. The site had been scrapped of all vegetation and minor grading had occurred. Wetland boundaries were established via hydrology and hydric soils analysis. Stream channels were delineated using aerial photography and an assessment of geomorphology.
- **Chapman Lakes Watershed Engineering Feasibility Study, Kosciusko County, IN**
Project Manager – during the preparation of a watershed diagnostic study of Chapman Lakes, Tuney Creek was identified for potential restoration. An engineering feasibility study was performed to specifically detail the quality of the creek and its sub-watershed. Field activities included qualitative habitat evaluation indexing, benthic macroinvertebrate and fish surveys, sediment and water quality sampling, assessment of stream morphology, and land use impacts within the watershed. A stream restoration plan was prepared as a result of the project.
- **US 31 Hamilton County Improvement Project Wetland Delineations, Hamilton County, IN**
Project Manager – Provided wetland delineations and stream assessments for the US 31 Hamilton County Improvement Project.



- **Rolls Royce, Lot 112, Ecological Assessment, Indianapolis, IN**
Project Manager – assessed ecological and environmental quality of vacant lot owned by Rolls Royce, Inc. The site contained a detention pond that had been receiving runoff from the facility for over 30 years. The pond was surrounded by exotic invasive shrub species (*Lonicera maackii* and *Elaeagnus umbellata*). The pond was devoid of aquatic life. In all, the site was found to be very low in ecological and environmental quality due to lack of biodiversity and low water quality (high pH, low DO).
- **General Motors Powertrain Facility, Bedford, IN**
Project Manager - Provided ecological (wetlands/streams/habitat) assessment during remediation of polychlorinated biphenyls (PCB) contamination. Tasks included development of service-specific Health and Safety Plan (HASP), assessment of areas in Level I Personal Protective Equipment (PPE), and development of all work plans and permits for activities occurring within protected features.
- **Poland Springs Biofiltration Pretreatment Project, Fryeburg, ME**
Team member - Wetland treatment cells with mixed media matrices were installed and maintained for pretreatment of process (gray) water from the Poland Springs bottling facility. Treated water was recycled and reused as process water (cleaning, degreasing, etc.).

Project Manager/Natural Resources Specialist, 1998–2001

Sagamore Environmental Services, Inc., Indianapolis, Indiana

Worked as a Project Manager for NEPA and other assessment projects. Also served as a Natural Resources Specialist for various remediation and mitigation projects.

- **Grissom Air Force Base, Base Closure EIS, Peru, IN**
Member of team that provided storm water and ambient water assessment tasks for the EIS for the closure of Grissom Air Force Base. Due to military background and familiarity with working on air fields, we gained access to parts of the storm water system previously unavailable to civilian contractors.
- **Eagle-Union School Corporation, New Facility Wetland Delineation, Zionsville, IN**
Project Manager – Provided wetland delineation for new school facility property. When wetlands were identified, it was decided to locate the new facility elsewhere and use the current site as an outdoor laboratory. A detailed assessment was prepared for the site giving the school vast amounts of information for preparing site-specific curriculum.
- **Watershed Diagnostic Study of Hanna and Silver Creeks, Union County, IN**
Project Manager – performed a watershed diagnostic study for the Union County, Indiana Soil and Water Conservation District. The study encompassed the 72,000 acre combined watersheds of Hanna's Creek and Silver Creek. Land uses, stream morphology, riparian quality, and water quality were analyzed within the watersheds. The information and response recommendations were detailed in a report and presented to the general public at multiple open-house forums.
- **Daleville Travel Plaza, Groundwater Contamination Cleanup, Daleville, IN**
A multiphase groundwater extraction unit was installed in response to significant subsurface contamination of diesel fuel. The contaminated soil was excavated and treated on site on a lined soil treatment cell. A telemetric monitoring system was also included to allow remote observation. Provided ecological receptor analysis and quarterly sampling.
- **Williams Travel Plaza, Groundwater Contamination Cleanup, Greenwood, IN**
A minor subsurface tank discharge leaked diesel fuel into the soil profile. Gravimetric flow drew the diesel plume toward Grass Creek which flowed into an agricultural pond. Free product was observed floating on the pond surface and bound to sampled sediment. Contaminated sediments were excavated and surface waters were remediated.
- **Former Gas Station, Property Transfer/Groundwater Contamination Assessment, Red Lion, PA**
Project Manager – completed consecutive Phase I and Phase II assessments for an abandoned gas station facility. The site had not been used as a gas station for over 30 years, prior to underground storage tanks records maintained by the Commonwealth of Pennsylvania. Though no contamination was encountered during the investigation, a 9,000 gallon underground storage tank was discovered. The tank was rendered inert and removed. The excavation was assessed and determined to be non-impacted by the tank or its contents. The hole was back-filled with clean fill and closure documents were submitted to the Pennsylvania Office of Underground Storage Tanks.



➤ **Other Phase I, II, and III Environmental Assessments and Cleanup Projects**

As Project Manager, conducted over 350 environmental assessments for commercial (ASTM 1527E) real estate transactions throughout the eastern US including Florida, Indiana, Ohio, Kentucky, Illinois, Michigan, Missouri, Iowa, Nebraska (most notable include):

- FCC registered facility, Kissimmee, FL – Phase I and II
- Carpenter Technologies, Indianapolis, IN – Phase I and II
- Former Lincoln Park Masonry Facility, Chicago, IL – Phase I and II
- Speedway Gas Stations (3 locations), Dayton, OH – Phase I, II and III
- Marathon Gas Station, Sedalia, MO – Phase I, II and III
- Marathon Pipeline Lift Station, Omaha, NB – Phase I, II and III

Environmental Compliance Specialist/Aviation Boatswain's Mate, 1988-1995

United States Navy: USS Saratoga (CV-60), Mayport, Florida; Naval Air Station Glenview, Illinois

Worked cross-rated as an Environmental Compliance Specialist while aboard the USS Saratoga (cataloging, recording, storing, and disposing of hazardous materials and wastes) and at Naval Air Station Glenview (maintenance hangar and flight line supervision).

PROFESSIONAL REGISTRATIONS/AFFILIATIONS/CERTIFICATIONS

- Member, National Association of Environmental Professionals (NAEP)
- Former chairperson (2006-2008), Environmental Committee, Airport Consultants Council (ACC)
- Member, Environmental Committee, Florida Airports Council (FAC)
- Member, Environmental Committee, American Association of Airport Executives (AAAE)
- Member, Environmental Committee, Aviation Association of Indiana (AAI)
- Member, Keys Spill Emergency Response Task Force, Deepwater Horizon Oil Spill, 2010 – Public Outreach
- Certified Environmental Consultant, Federal Highway Administration/State DOT: IN, KY, IL, TN
- Certified OSHA Hazardous Waste Operator (HAZWOPER)

PRESENTATIONS

- *Locally Lead Spill Response*, ReefFest, Key Largo, FL 2010
- *Visualization Techniques in Airport Planning and NEPA*, NAEP Conference, San Diego, CA 2008
- *Visualization Techniques in Airport Planning*, FAA Annual Conference, Chicago, IL 2007
- *Visualization Techniques in Environmental Planning*, FAC Annual Conference, Tampa, FL 2006
- *GIS Applications in Transportation Planning*, IUPUI, Indianapolis, IN 2006
- *GIS and Transportation Planning*, Indiana GIS Conference, Indianapolis, IN 2005
- *Water Cycling*, Centerville Elementary School (4th grade), Centerville, IN 2004
- *Water Cycling*, Mohawk Trail Elementary School (4th grade), Carmel, IN 2003
- *Soil Morphology*, Delta High School, Muncie, IN, 2002
- *Assessing Water Quality*, Union County School Corporation (high school), Liberty, IN, 2002
- *Establishing Outdoor Education Laboratories*, North Vernon School Corp., North Vernon, IN, 2001

