

MAP

Management Assistance Partnership

manufacturing • construction • mining



Nevada FOCUS, a collaborative effort of Sierra Pacific Power Co., the Management Assistance Partnership and the University and Community College System of Nevada, is offering a series of courses to develop in-state resources for facility energy education at the building operator level and to improve energy efficiencies and indoor air quality for building occupants, employees and patrons.

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MAP Helps PolyPhaser Obtain ISO Certification

**By Sandy Haslem
MAP Project Manager**

PolyPhaser Corp. recently received its ISO 14001 certification, thanks in part to the diligent work of MAP and the professional consultants it provided. This enabled the Minden, NV., manufacturer of lightning protection equipment to obtain this prestigious international recognition.

PolyPhaser was evaluated and achieved compliance with the ISO 14001 standard through KEMA Registered Quality, an accredited EMS registrar.

“Meeting the challenges of our social responsibilities is an important factor in PolyPhaser’s success and the international recognition associated with the ISO 14001 standard that comes from the effort of our employees in recognizing environmental responsibility,” Ray Matheus, Quality Manager, said. “MAP’s role in this was that they connected us with the right people



PolyPhaser Corp. located in Minden, NV.

within a short period of time; who provided us with a much higher confidence level for our certification audit.”

In general, the ISO 14001 standard specifies requirements for an Environmental Management System (EMS) to enable an organization to formulate an Environmental Policy. They can establish environmental objectives in legal compliance to best benefit the company and the environment.

The Minden company achieved ISO certification by:

- Identifying all regulatory

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For more information, visit our web site at: www.mapnv.com

The Industrial Extension Program of the University & Community College System of Nevada

PolyPhaser

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requirements that affected its operations and assessed compliance.

- Developing and maintaining environmental plans that defined goals, action plans and responsibilities.
- Formulating an environmental policy and documenting those operational activities required to meet compliance activities.
- Verifying EMS performance and identifying improvement opportunities through regular EMS audits.
- Establishing performance targets for improving environmental activities important to the business and complying with regulations.

Initially, PolyPhaser employees began preparation for certi-

fication, but needed assistance in preparing the Legal Registry to categorize appropriate state regulations pertinent to the facility, while also identifying those that were not important. MAP aided in this process by providing Mactec engineering consultant Ron Leiken to walk employees through the regulatory requirements. Mactec prepared a Legal Registry that is the tabulation of the pertinent and non-pertinent regulations that apply to PolyPhaser, complete with implications and recommendations and specific references, rather than general categories.

MAP also connected PolyPhaser with Rich DeLong of Enviroscientists Inc., who provided the third-party compliance audit prior to a certification audit.

PolyPhaser is committed to managing the environmental impacts associated with its busi-

ness operations, Matheus said. The company has a desire to be proactive and seek the international recognition associated with an ISO 14004 standard.

PolyPhaser Corp., a member of the Smiths Group of International Companies, has been the leading provider of quality RF lightning protection and grounding solutions to the wireless communications market for the past 20 years. It has RF protection product installation in more than 75 countries. The company has 125 employees in its Minden facility. Polyphaser also has sales offices in Europe and Asia and a manufacturing facility in China.

Upcoming Events

Lean Manufacturing

The Southern Nevada Management Assistance Partnership will be conducting a series of Lean Manufacturing workshops from 8 a.m. to 4:30 p.m. Aug. 11 and Oct. 13 (in separate workshops. Location to be announced) A continental breakfast, lunch, break refreshments and materials are included.

For information contact: Bill Milligan, (702) 454-6200, e-mail: milligan@mapnv.com.

A second series of Lean Manufacturing workshops are scheduled in Northern Nevada from 7:45 a.m. to 4:30 p.m. July

21 and Oct. 20 (in separate workshops) at the Truckee Meadows Community College in Reno. Materials, refreshments and lunch included.

The purpose of Lean Manufacturing is to strengthen manufacturing firms by helping to reduce material waste, time and processes. Some manufacturers who embraced Lean Manufacturing systems experienced: productivity improvements, reduction in work-in-progress, increase of space utilization, improved quality and reduction in lead times.

For information contact: Bob Blank, Operations Manager, (775) 856-5315, e-mail: bblank@mapnv.com.

Certification Program Offered

Nevada FOCUS, a collabora-

tive effort of Nevada Power, the Community College of Southern Nevada and MAP, is offering a series of courses to develop in-state resources for facility energy education at the building operator level and to improve energy efficiencies and indoor air quality for building occupants, employees and patrons. Scheduled courses include:

July 20 - Electrical

Systems Part I: basic applied electrical theory - AC and DC; electrical distribution - primary and secondary; lighting fundamentals; efficient lighting and controls.

CCSN will award 0.7 CEU (7 PDH) and issue a certificate of certification to those who satisfy all program requirements.

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Upcoming Events

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August 17 - Electrical Systems Part II: Electrical control circuits; motor theory/motor selection - start/stop/ladder logic; electrical motors - variable speed drives; low voltage systems - telecommunications, security and fire alarms.

September 21 - Commissioning and Operating to Code: Code Interpretation - UMC, IBC/UBC, NEC, UPC and ADA; understanding theory behind fire and life safety codes; code requirements for indoor air quality - ASHRAE; fundamentals of design - electrical mechanical and plumbing systems.

October 12, 2004 - Energy Conservation: Energy conservation measures that work for you; identifying common energy waste; water efficiency for building operations; compressed air systems.

November 16, 2004 - Innovative Management Principles - Best Practices: Identifying what motivates people - behavioral modification; managing for energy efficiency - eliminating wasteful practices; project management systems - software that works; project scheduling fundamentals.

All courses are at the UNLV Stan Fulton International Gaming institute, 801 E. Flamingo Road, Las Vegas, 8 a.m. to 5 p.m. Breakfast is served at 7:30 a.m. Lunch, refreshments and free parking provided. Please arrive early for registration. The cost is \$150 per course.

Discounts may apply. Please register online at: www.mapnv.com

Save On Energy Bills

More than 20 firms throughout Nevada have taken advantage of the MAP/University of Nevada Reno Energy Audits. Some companies have identified savings of 20 to 30 percent in total energy bills.

To schedule a free pre-paid audit, call: Bob Blank, (775) 856-5315, e-mail: bblank@mapnv.com; or Steve Straub, (702) 651-4543, e-mail: straub@mapnv.com

Injury Prevention Program

Are you looking to increase your employees' awareness and responsibility in minimizing injuries and tools to maintain a healthy workforce? MAP can put you in contact with in-house industrial injury prevention programs. The goal is to discover risks for injury in your workplace and have solutions to minimize these factors.

For information, contact Sandy Haslem, (775) 445-3328, or e-mail: shaslem@mapnv.com

Industrial Help Courses

Contact MAP for assistance in locating upcoming safety training, forklift operation, hearing testing and workplace hearing assessments, first aid training, environmental compliance assessments and much more.

For information, contact Bob Blank, (775) 856-5315, e-mail: bblank@mapnv.com, or Steve Straub, (702) 651-4543, e-mail: straub@mapnv.com

Hydraulic Audits Available

One of the largest consumers of electrical energy worldwide is the power used to operate pumps, especially within a system that includes both pumps and pipelines. Through a complete hydraulic audit of an existing pumping system, it is

possible to identify ways to improve efficiency and have it translate into energy conservation and cost savings.

For information, contact Doug Prihar, (775) 753-3640, e-mail: prihar@mapnv.com.

Environmental, Health & Safety

Would you like to get a check-up of how well your facility is complying with EH&S requirements? This is a good preventative maintenance help. You avoid and correct violations before an agency inspector finds them, or before a reportable incident occurs. MAP can put you in contact with environmental and OSHA regulatory experts who understand the complex web of regulations and can help check on your facility status, and guide you to compliance through practical approaches.

For information, contact: Sandy Haslem, (775) 445-3328, e-mail: shaslem@mapnv.com.

Environmental and Safety Business Management

Having a performance-based Environmental Management System (EMS) is a way to be more effective and efficient in your daily activities of environmental compliance. A good EMS can reduce your risk of accidents and other environmental liabilities. An EMS can be prepared to meet ISO 14001, or just a practical, individualized approach that is focused on management for your facility.

For information, contact: Sandy Haslem (775) 445-3328, e-mail: shaslem@mapnv.com.



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MAP provides business and technical assistance to improve Nevada industries' profitability.

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The Industrial Extension Program of the University & Community College System of Nevada

Manufacturing Extension Partnership Wire Service

Pentagon To Develop Manufacturing Strategy

The Office of the Secretary of Defense is sponsoring a project aimed at providing the department with an investment strategy for the transformation of the U.S. manufacturing base. The Next Generation Manufacturing Technology Initiative (NGMTI) "seeks to energize a national consensus for investing in high-leverage, high-impact manufacturing technologies that enable faster delivery of affordable systems for defense while at the same time improving the global competitiveness of U.S. manufacturers," says the Charleston, S.C.-based Advanced

Technology Institute (ATI), which is spearheading the project. Partners involved in the initiative will spend the next 12 to 18 months devising an investment plan for manufacturing technologies.

Machine Tool Comeback

The U.S. machine tool industry is coming back to life. During the first quarter of this year, consumption surged to \$609.5 million, an increase of 44.4 percent over the same period last year, reports the U.S. Machine Tool Consumption Survey. For the month of March, consumption increased by 60.5 percent over February to \$272 million. U.S. machine tool consumption

remains about half of what it was during the late 1990s.

Nevada Manufacturing Ranks #1 in Nation

Nevada has been the only state in the country that has had positive job growth in manufacturing over the last few years, according to reports from the National Association of Manufacturers.

MAP played a major role in this achievement.