

Enhesa flash

global ehs compliance assurance

No. 62

December 2011

Brussels • Washington

Addressing the latest EHS regulatory developments worldwide

The **Enhesa Flash** alerts you to new EHS regulatory developments in over 150 countries and jurisdictions around the globe.

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Season's Greetings from Enhesa and best wishes for 2012

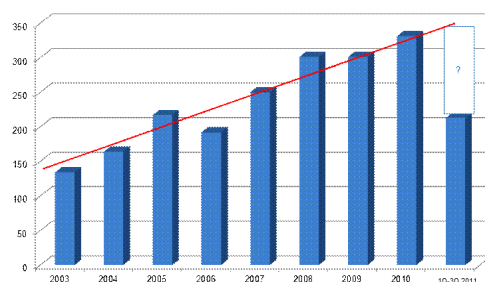
Enhesa Regulatory Breakdown for 2011

- ✓ **2902** regulations in 2011
- ✓ **240** per month on average
- ✓ **286** regulatory & policy developments on enforcement
- ✓ **30,000 +** estimated requirements introduced or modified

December marks a special time of the year. The turn into 2012 is the critical moment to assess the happenings and changes that took place throughout the year, and Enhesa has seen its fair share of them. It's becoming a very commonplace trend, but every year more and more EHS regulations

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EHS legislation adopted in Asia Pacific and reported by Enhesa



Asia's Regulatory Outlook for 2012

A review of Enhesa's November 2011 webinar—see page 3

New feature—from information system to collaboration platform



Enhesa has enhanced the regulatory monitoring service with a powerful tool enabling users to manage and customize the regulatory monitoring reports through an assortment of user defined and controlled features.

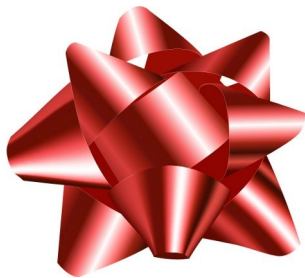
The new feature gives EHS professionals the ability to focus their time and efforts on the most important issues impacting their operations or products. The Enhesa Regulatory Monitoring Service already

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SEAB-issued recommendations present new challenges to shale gas industry—See page 19

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are adopted worldwide. The counter for this year stands at 2902 regulations, or 240 per month. If one assumes that each regulation normally contains more than a dozen requirements, you end up with more than 30,000 requirements introduced or modified in 2011.

Looking back on 2011

So what else did 2011 bring us in relation to environmental, health and safety issues? Unfortunately, in the earlier half of the year an earthquake struck Japan, followed by a disaster with the nuclear power plants, which triggered many regulators and companies alike to review their emergency response plans

During 2011, more than 10,000 EHS Managers worldwide made use of Enhesa's services...

and disaster recovery procedures. The 4th revision of the Globally Harmonized System for Classification and Labeling of Chemicals (GHS) was released in July, and is slowly spreading globally. Even the US-OSHA is about to issue its Final Rule, implementing it in the US. As usual, the global harmonization comes with many country-specific deviations. Fortunately, Enhesa's GHS service keeps track of these idiosyncrasies. Recently, Enhesa added a new report on the [obstacles to the use of the latest version of GHS](#).

286 regulatory and policy developments in 2011 had to do with enforcement. It is clear that the growing volume of EHS requirements serves no purpose if the regulator cannot make sure people comply. At the beginning of 2011, the European Union Industrial Emissions Directive entered into force. It forces many European Union Member States to step up their inspection programs. The week before, the Directive on the protection of the environment through criminal law had to be implemented across Europe. It is part of a global trend to put corporate managers in the spotlight of enforcement action. The UK focus on Director Responsibility is a clear example of this.

Are you confident that you are in

compliance with all these requirements? When we asked the question in one of our EHS manager surveys, the vast majority answered NO. The regulatory complexity is challenging and without the appropriate tools, it is almost "Mission Impossible." At Enhesa, we are constantly working with our customers to improve existing tools and to develop new ones. During 2011, more than 10,000 EHS managers worldwide made use of our services. Making compliance easier is our core expertise. The success of our recent webinars, especially our latest on Six-Steps-To-Compliance, illustrated this again.

For the past ten years we have seen consistent double digit growth, which proves that we are on the right track to making things easier for you. Enhesa's growth also means that we have had the capability of expanding our services and products. US State Audit Protocols are one example of a great success. They allow you to see at-a-glance where States are more stringent than federal requirements, and what those additional requirements are on top of the Federal requirements.

The Enhesa Compliance Manager is another novel tool that combines the different Enhesa services into a single application with corporate and facility dashboards, allowing anyone involved to see what is required and what is being done about it. The Compliance Manager intends to be the overall "full package" of solutions.

In addition to new tools, we further facilitated integration of our content into more sophisticated EHS Management System applications as well as Enterprise Resource Platforms. Bringing the regulatory requirements in plain English to those who need to know about it is one of the key elements of being able to ensure ongoing compliance.

We wish all of our colleagues, clients and readers prosperity in the new year and look forward to working with you in 2012 to make your compliance challenge manageable and stress-free.

Seasons' Greetings from Enhesa,

- *Thierry Dumoritier, Enhesa Director*

Asia's Regulatory Outlook for 2012

A review of Enhesa's last webinar

Of the 78% that have encountered challenges in implementing corporate EHS policies/systems in Asia, the reasons were:

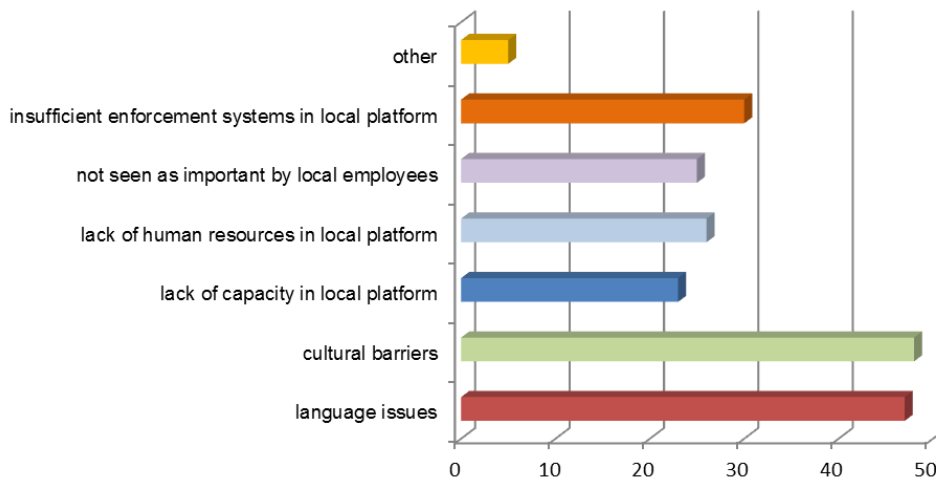


Figure 1. Statistics taken from Enhesa's preliminary survey results before the webinar.

The phenomenal recent growth in Asia has been accompanied by an equally phenomenal growth in EHS policy activity. In November 2011, Enhesa's most recent webinar focused on Asia's Regulatory Outlook for 2012. Between the two sessions, Enhesa hit a new attendance record of over 600 registrations for the event. About a third of webinar participants tuned in from the Asia region, which also broke a new record for Enhesa in terms of most registrants from the Asia region.

Enhesa's Pre-Webinar Survey Results

The webinar registrants themselves had much on their mind before the presentation. Enhesa's pre-webinar survey revealed that 93% of respondents believe that legal enforcement in Asia Pacific has become tighter over the last few years, and 87% of respondents reported experiencing difficulties in obtaining and understanding regulatory requirements in the region. Language barriers and unfamiliar legal frameworks were nominated as the major issues behind these difficulties.

When asked about implementing corporate EHS policies in Asia, 78% of survey respondents admitted to difficulties and indicated that cultural barriers and language issues were the major cause of these challenges (Figure 1).

These survey results confirmed that EHS Managers worldwide are experiencing a combination of rising legal enforcement in the Asia Pacific region, but have difficulty in understanding what is required for compliance. The statistics

also demonstrate that there are challenges between corporate standards and the implementation of those standards at a local facility level due to cultural perceptions and language barriers, which is a major issue in ensuring the right EHS practices are happening. Enhesa examined these concerns and built a presentation aimed to ease anxieties with a complete breakdown of regulatory trends into something clear and comprehensive for a global audience.

Growing Regulatory Trends in the Asia Pacific

Enhesa consultants Yuko Dvorak-Miyata, Sarah O'Brien and Ellen Zhang presented the webinar, which provided a rich overview of policy and regulatory trends in the Asia-Pacific region. The overview of the region examined the regional and economical differences in the region, the growing influence of globalization on EHS regulation and common misconceptions. It also demonstrated to viewers the level of recorded growth that Enhesa has seen in the amount of regulations in the Asia Pacific region over the recent years. Despite the fact that 2012's data aren't fully recorded just yet, we can see a clear increase over the years of EHS legislation in the region (Figure 2).

The webinar identified four major regulatory trends that will be occupying EHS professionals in Asia and the Pacific

(Continued on page 4)

Statistics from Enhesa's pre-webinar survey...

- **93%** of respondents believe that legal enforcement in Asia Pacific has become tighter over the last few years
- **87%** of respondents reported experiencing difficulties in obtaining and understanding regulatory requirements"
- **78%** admitted to difficulties in implementing corporate EHS policies in Asia

(Continued from page 3)

over the coming years: climate change; chemicals management; product regulations; and health and safety. Regulatory activity in each of these areas is growing in the region, and often the pace of change can be rapid with little uniformity in the approaches adopted by each government.

With regards to climate change, the webinar reviewed the targets and commitments made by Asia-Pacific countries and the impacts of these commitments for businesses. For example, under the Kyoto Protocol binding targets, Japan has pledged to reduce their total emissions by 25% below 1990 levels by 2020. We are also seeing some Asia Pacific countries starting to make non-binding commitments to reduce emissions. China is one example of this, pledging to reduce emissions "intensity" (making production methods more efficient and reducing the amount of emissions released per unit of production) by 40-45% below 2005 levels by 2020. In the case of Japan, businesses can expect to see changes like adapting to models needed to suit a low carbon economy and the need to improve energy efficiency. In cases like China, businesses can expect to see impacts such as a growing focus on technological improvement, and pressure from export markets for low-carbon products and more environmental information.

The webinar's regulatory outlook for chemicals management focused on the

implementation of GHS and REACH-like regulatory developments in the region. The review of product regulations provided updates on RoHS-like and end-of-life regulations. A review of trends in health and safety regulation was given in the presentation, which looked at the expansion of coverage and tightening controls on hazardous chemicals handling.

Ellen then presented on trends in compliance and enforcement in several Asia-Pacific countries. Contrary to what many may think, enforcement activity in the region is growing and several notable

Not only are new regulations growing, but the enforcement of those regulations is equally increasing...

examples were given in the presentation. For example, in November 2010, a company in the Philippines was fined approximately half a million US dollars in pollution fines after the DENR Pollution Adjudication Board found the company liable for a petroleum leak that contaminated water in an area in Makati City. China is another prime example of recent enforcement growth. According to the *The Socialist System of Laws with Chinese Characteristics*, published in the White Paper in October 2011, "Chinese authorities have investigated over 80,000 cases of violation of environmental protection laws, and closed 7,293 offending enterprises over the past 5 years." We can conclude that not only are

Did we miss you?

If you couldn't make our last webinar but the topic interests you, you can still access the recording of this webinar by following [this link](#).

EHS legislation adopted in Asia Pacific and reported by Enhesa

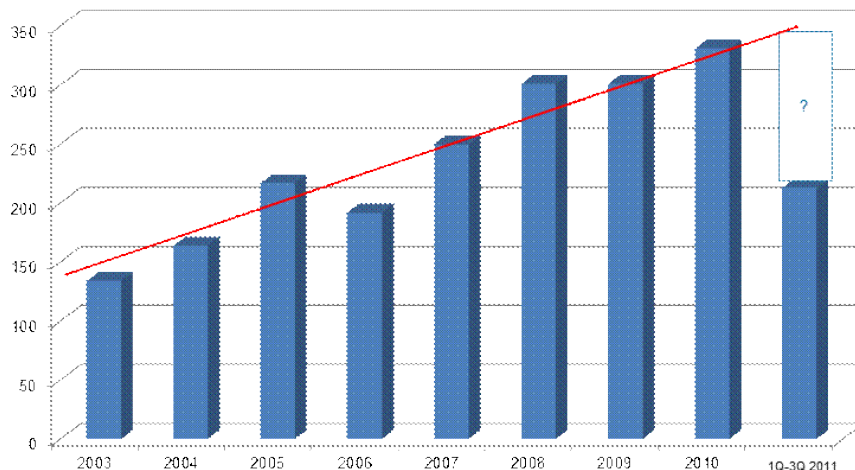


Figure 2. Statistics are based on Enhesa's records..

Asia's Regulatory Outlook for 2012 (continued)

A review of Enhesa's last webinar

new regulations growing, but the enforcement of those regulations is equally increasing.

Enhesa Solutions

Enhesa concluded the webinar acknowledging the fact that regulatory trends in Asia Pacific are unique and not congruent as a region. Focus and attention must be placed on the particular differences of each country, as the regulatory environments are diverse and complex. On the other hand, diversity and complexity doesn't have to be a barrier to compliance.

At this point in the webinar, it was time to fully address respondents' initial concerns of keeping track of new regulations and understanding what is required of them. Yuko concluded the webinar with Enhesa's complete compliance solution to managing these trends.

Enhesa equips companies with a variety of services to address the following compliance steps:

- **Identifying applicable regulations** – Regulatory Registers
- **Understanding requirements** – Country Profiles and Audit Protocols
- **Planning for compliance** – Consulting/Helpline and Compliance Manager
- **Implementing a compliance strategy** – Training and Verification Outcomes
- **Ensuring and verifying compliance** – Audit Protocols and Audits

- **Managing continual change** – Regulatory Monitoring

Enhesa's services provide companies with a full solution for every angle of a compliance program. Enhesa's features are also designed to address those difficult aspects survey respondents polled, like cultural and language barriers. With a team of over 75 in-house consultants from all over the globe, our regulatory regional experts are only a Helpline away to helping you tackle local level issues. Enhesa's services can also be provided in local language – which minimizes miscommunication gaps. Managing compliance has never been easier with Enhesa's tailored solutions. If you are interested in learning more about what Enhesa can offer your company, please email us at info@enhesa.com.

Enhesa's Webinar Program

Enhesa's no-charge webinar program provides EHS Managers with timely information on the most vital EHS issues around the world. Our next topic to start of 2012 will be on how to manage compliance for warehouses, offices and non-manufacturing activities. If you would like to be on our 2012 webinar invitation list, please send your request to webinars@enhesa.com. We look forward to having you join us!

Enhesa's International EHS Webinar Program Presents:

How to manage compliance at offices, warehouses, and non-manufacturing activities

In February 2012, Enhesa will explore how EHS practitioners around the globe can manage compliance at non-manufacturing sites.

For more information on this upcoming webinar, please contact Enhesa's International EHS webinar program at webinars@enhesa.com.



During **September** and **October 2011** several new environmental, health and safety regulations were adopted that could directly impact your business. The following overview provides a brief description of the regulatory developments per country, the adoption date and the ID number of Enhesa's monitoring report.

For more details on any of these developments, you can subscribe to the **Enhesa Update** (10,500 USD per year for a corporate subscription) or register to receive **detailed Monitoring Reports**. For further information visit www.enhesa.com or email us at update@enhesa.com.

Africa and the Middle East

Morocco

- Energy Efficiency Law Published 24-Oct-2011 [40917]
- Law No. 24-09 on the safety of products approved by the Parliament 22-Sep-2011 [41359]

Qatar

- Qatar International Environment Protection Conference Soon to be launched 12-Sep-2011 [41406]

- Morocco Participates in the 19th Session of the International Conference on Health and Safety in Istanbul 15-Oct-2011 [41713]
- Decree on Used Oils collection, Storage, Transport, and Treatment Published 03-Oct-2011 [42113]

United Arab Emirates

- Accreditation requirements of inspection bodies for pressure equipment issued 26-Oct-2011 [42024]
- Accreditation requirements of inspection bodies for lifting equipment issued 04-Oct-2011 [42025]

Asia Pacific

Australia

- Industrial Chemicals (Notification and Assessment) Act 1989 amended to clarify cosmetics regulations and notification requirements 27-Sep-2011 [41587]
- NSW: Changes made to when an Environment Protection Licence is required 26-Oct-2011 [41923]
- QLD: Waste Reduction and Recycling Act adopted 12-Oct-2011 [41181]
- South Australia: The scope of the Electrical Products Act 2000 widened by the addition of other 'energy products' 27-Sep-2011 [41471]

China

- Crude oil and natural gas sales subject to the volume-based tax under the amended Provisional Regulation on Resources Tax 30-Sep-2011 [41442]
- Standardization requirements for work safety conditions at hazardous chemicals facilities detailed 16-Sep-2011 [41439]
- GUANGDONG: Adopted legislation to require employers to inform labor authorities about employee's work-related injuries 29-Sep-2011 [41100]
- GUANGDONG: Enforcement of hazardous chemicals safe production permit requirements tightened 19-Oct-2011 [41961]

- SHANGHAI: Amended Shanghai Regulation on Safe Production imposes stricter safety requirements on facilities dealing with hazardous substances 22-Sep-2011 [41101]
- ZHEJIANG: List of qualified hazardous waste operators updated in October 17-Oct-2011 [32911]

Japan

- Tighter Environmental Quality Standards for Cadmium introduced 27-Oct-2011 [38279]
- Dates to implement the Amendments of 27 April 2011 to the Environmental Impact Assessment Act determined 14-Oct-2011 [39643]
- Eight new chemicals added as hazardous substances or carcinogens subject to Guideline under the Industrial Safety and Health Act 28-Oct-2011 [39827]
- Amendments to provide flexibility in implementing the Factory Location Act published 30-Sep-2011 [39828]
- List of Poisonous and Deleterious Substances updated 14-Oct-2011 [41112]
- List of industries eligible for the special wastewater discharge limit for zinc revised 28-Oct-2011 [41114]

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EnhesaではEnhesa Flashの日本語版の発行を検討しております。

ご関心のある方はこちらの宛先までご連絡ください：japan@enhesa.com

Enhesa is considering launching the Enhesa Flash in Japanese.

Would this be of interest to you or any of your colleagues? Please let us know by emailing us at:

Asia Pacific (continued)

(Continued from page 6)

- Less stringent wastewater discharge limit for 1,1-dichloroethylene introduced 28-Oct-2011 [41965]

Kazakhstan

- Adopted Rules for Fire Safety Training and the Contents of Fire Safety Training Programs 04-Oct-2011 [41757]
- Amended Rules for Conducting Energy Expert Assessment 10-Sep-2011 [41758]
- Adopted Rules of issuing permits for construction areas of mineral deposits 07-Sep-2011 [41812]
- Amended Order on the Information to be Provided in an Special Water Use Application 06-Sep-2011 [41837]
- Amended Order on the Organisation of Environmental Inspections 18-Oct-2011 [41868]

New Zealand

- Regulatory National Environmental Standard for soil contamination made 10-Oct-2011 [33806]
- Updates made to emission trading regulations for gas and coal mining, industrial waste reuse and LPG export 10-Oct-2011 [39971]
- Aquaculture reform completed 12-Sep-2011 [41573]
- Building Amendment Bill No 4 to improve accountability 06-Sep-2011 [41574]
- Gas (Safety and Measurement) Amendment Regulations 2011 10-Oct-2011 [41899]
- Electricity (Safety) Amendment Regulations 2011 10-Oct-2011 [41900]

Singapore

- Workplace Safety and Health (Medical Examinations) Regulations 2011 adopted 09-Sep-2011 [36587]
- Workplace Safety and Health (First Aid) Regulations 2011 adopted 09-Sep-2011 [38349]

- Workplace Safety and Health (General Provisions) Regulations 2011 adopted 09-Sep-2011 [40821]

South Korea

- Use of bisphenol A in infant feeding bottles will be prohibited beginning 1 July 2012 05-Oct-2011 [39122]
- Six toxic substances and two observational substances newly designated 19-Oct-2011 [41954]

Taiwan

- Stricter requirements imposed when applying for discounts of air pollution control fee from stationary sources 17-Oct-2011 [42112]
- Health risk assessment required in a broader scope under environmental impact assessment 07-Oct-2011 [42235]

Thailand

- Tighter control on storage, handling and use of LPG as a fuel in production processes came into force 02-Sep-2011 [41465]
- Notification prescribing the amount of administrative monetary penalty for non-compliance with requirements to control wastewater discharges adopted 21-Sep-2011 [41487]
- Qualifications, training programs and testing requirements now required for facilities' environmental responsible persons 23-Sep-2011 [41489]
- ISO and technical standards for personal protective equipment in certain other countries are now accepted in Thailand 27-Oct-2011 [41491]
- Notification prescribing the workplace accident report form adopted 19-Oct-2011 [42005]

European Union

- Harmonised standards to Directive on the safety of toys adopted 19-Oct-2011 [16796]
- Regulation on textile fibre names and related labelling of textile products adopted 18-Oct-2011 [28800]
- Decision providing for two additional RoHS exemptions on cadmium and lead adopted 08-Sep-2011 [33251]
- Commission Decision amending Decision 2007/589/EC in order to include new monitoring and reporting guidelines for GHG emissions published 21-Sep-2011 [39028]
- Commission Decision on benchmarks to allocate greenhouse gas emission allowances free of charge to aircraft operators published 28-Sep-2011 [41476]

Central and Eastern Europe

Austria

- Ordinance on prohibition of bisphenol A in pacifiers and teething rings adopted 06-Oct-2011 [38479]
- Ordinance on combustion installations amended 19-Sep-2011 [41528]
- Ordinance on explosives amended 12-Sep-2011 [41530]

Bulgaria

- Instruction on Chemical, Biological and Radiation Protection in Case of Incidents and Accidents Involving Dangerous Substances and Materials adopted 16-Sep-2011 [40580]
- Ordinance on the calculation of expenses for energy consumption and emissions of CO₂ and other pollutants of road transport vehicles amended 27-Sep-2011 [41725]
- Ordinance on Fire Safety of Facilities in Operation adopted 15-Sep-2011 [42222]
- Ordinance on Essential Requirements and Conformity Assessment of Transportable Pressure Equipment adopted 29-Sep-2011 [42223]
- Ordinance on Characterization of Surface Waters amended 14-Oct-2011 [42224]
- Law on Protection from Disasters amended 14-Oct-2011 [42225]

Croatia

- Air Quality Protection Act adopted regulating different aspects of greenhouse gases 28-Oct-2011 [32219]
- Regulation on Management of Waste Tires amended 15-Sep-2011 [41690]
- Regulation on the methods and conditions for the landfill of waste adopted 12-Sep-2011 [41693]
- New Criminal Law Act adopted introducing new environmental crimes 21-Oct-2011 [42168]

- New Regulation on fire protection adopted requiring further information in Fire Protection Plans 10-Oct-2011 [42182]

Czech Republic

- Act on Energy Management and Energy Act amended 06-Sep-2011 [42169]

Estonia

- Amendments to the Regulation on Exceptional Permits for the Sale and Use of Paints, Varnishes and Finishing Products for Vehicles 20-Sep-2011 [39678]
- Regulation on the Limit Values for the Content of VOCs in Paints, Varnishes and Vehicle Refinishing Products 29-Sep-2011 [41258]
- Amendments to Regulation of the Minister of Environment „Procedure for Establishing Bore Wells and Bore Holes“ 12-Sep-2011 [41696]
- Amendments to the “Requirements to Documents Presented to the Environmental Board Electronically and to the Electronic Communication” 20-Sep-2011 [41697]

Hungary

- Revised National Fire Protection Regulation adopted 06-Sep-2011 [33537]
- Revised Disaster Management Act adopted 03-Oct-2011 [37288]
- Decree on the technical requirements of the chemical analysis and monitoring of waters adopted 29-Sep-2011 [40985]
- Revised Decree on the protection from major accidents involving dangerous substances (“Seveso”) adopted 20-Oct-2011 [41378]
- Decree on the payment of disaster management contributions and fines adopted 12-Oct-2011 [41380]

Central and Eastern Europe (continued)

(Continued from page 8)

- Decree on the labelling of the consumption of energy and other resources by energy-related products adopted 22-Sep-2011 [41382]
- Amendment to verification activities of greenhouse gas emissions and to the free allocation of allowances under the emissions trading scheme adopted 22-Sep-2011 [41717]
- Amendments to the Decree on Machinery adopted with regard to machinery for pesticide application 19-Sep-2011 [42061]
- Procedure for sanitary approval of products, materials, chemicals and mixtures used in contact with the drinkable water repealed 12-Oct-2011 [42190]
- Drinking Water Regulation Amended 14-Oct-2011 [42193]
- Regulation on the system for promoting energy production from renewable energy amended 19-Oct-2011 [42198]
- General technical requirements and conditions for placing fire fighting products and equipment on the market approved 26-Oct-2011 [42199]

Latvia

- Regulation on Procedures for Issuing, Extending, Reviewing and Cancelling the Waste Management Permit adopted 13-Sep-2011 [38942]
- Regulation on procedures for transportation of CO2 streams adopted 11-Oct-2011 [40956]

Lithuania

- Adopted Regulation on the Management of Carbon Dioxide Geological Storage 05-Oct-2011 [42160]

Poland

- Fees and fines for removal and destruction of trees, bushes and green areas in 2012 published 25-Oct-2011 [10433]
- Ordinance on preparation of Voivodship report on waste adopted 14-Oct-2011 [15011]
- Amount of the fee rates for use of the environment in 2012 announced 24-Oct-2011 [31609]
- Fines for Exceeding the Limits of Wastewater Discharges into Water and Ground and for Exceeding Noise Limits in 2012 published 24-Oct-2011 [31610]

Romania

- Regulation setting up the Health And Safety Commission for Hazardous Chemicals at the Workplace approved 13-Sep-2011 [41701]
- List of substances permitted in the cosmetic products amended 04-Oct-2011 [42186]
- Regulatory framework for setting eco-design requirements for energy related products approved 05-Oct-2011 [42187]
- Methodology for calculating annual rate of separate collection of waste electrical and electronic equipment approved 11-Oct-2011 [42188]

Russia

- Adopted Decree on the Implementation of Article 6 of the Kyoto Protocol 15-Sep-2011 [41461]
- Amended the form used for the description of working conditions of an employee as a result of occupational illness or poisoning 22-Sep-2011 [41714]

Slovakia

- Regulation containing list of active substances suitable for adding into biocidal products adopted 14-Sep-2011 [42170]
- Nuclear Act amended 14-Sep-2011 [42171]

Turkey

- Notification on Continuous Air Emission Measurement Systems published 21-Oct-2011 [38277]
- New Regulation on Improving the Efficiency of Energy Resources and Energy Use published 27-Oct-2011 [41873]

Ukraine

- Amended Rules for Identification and Declaring of Major Hazard Installations 21-Sep-2011 [41764]
- Adopted procedure for the issue of permits for hazardous works and for the operation of hazardous equipment 26-Oct-2011 [42230]

Regulatory Profile and Tracking Service

Do you need to know how EHS is regulated in a country and how these regulations change?

Enhesa's Regulatory Profile and Tracking Service provides a clearly explained and summarized description of current legislation in a country as well as monthly alerts on any regulatory developments.

This service combines essential background knowledge with the latest developments in EHS law.

For further information, contact Enhesa at info@enhesa.com.

Enhesa - a growing team

The Enhesa team continues to grow, and in recent months our team has grown to more than 75 staff members from more than 30 different countries, supported by a network of more than 300 in-country experts. In recent months, Enhesa's DC office has welcomed a new US EHS Regulatory Consultant.

Enhesa is continuously looking for talent to join its team of dedicated EHS regulatory consultants.

If you are passionate about environmental, health and safety law and would like to help businesses achieve and maintain compliance, visit our website for vacancies and send your application to:

recruitment@enhesa.com

Belgium

- FEDERAL: Royal Order on the marketing of machines amended 07-Sep-2011 [27711]
- FEDERAL: List containing deviations from ADR and RID published 31-Oct-2011 [32879]
- FEDERAL: Royal Order adopted concerning energy labelling 15-Sep-2011 [41527]
- FEDERAL: Ministerial Decision adopted prohibiting and recalling an INTRATUIN electrical lawnmower 08-Sep-2011 [41632]
- FEDERAL: Order adopted concerning radon risk zones 15-Sep-2011 [41635]
- FEDERAL: Product standards for vehicles, vehicle components and electrical and electronic equipment amended 12-Sep-2011 [41641]
- FEDERAL: Royal Order amended on the reduction of VOC emissions from paints, varnishes and vehicle finishing products 12-Sep-2011 [41723]
- FEDERAL: Fines for transport of dangerous goods amended 14-Oct-2011 [42043]
- FEDERAL: Several provisions of the General Rules of 11 February 1946 concerning labour protection repealed 15-Nov-2011 [42151]
- BRUSSELS REGION: Amendments adopted to legislation on the energy performance of buildings 14-Sep-2011 [41633]
- BRUSSELS REGION: Model form adopted concerning the public posting of a building/subdivision permit 21-Sep-2011 [41637]
- FLEMISH REGION: Decision adopted concerning the deep subsoil 06-Sep-2011 [40109]

- FLEMISH REGION: Ministerial Decision amending the support for companies for ecological investments adopted 25-Oct-2011 [38430]
- FLEMISH REGION: Decision adopted delegating competencies to issue permits for the export and transfer of dual-use items 06-Sep-2011 [41639]
- FLEMISH REGION: Enforcement supervision on fixed transmitting antennas regulated 23-Nov-2011 [42078]
- FLEMISH REGION: Decision on VOC emissions from petrol stations amended 23-Sep-2011 [42148]
- WALLONIA: Order on technical specifications for chemical analysis and monitoring of water status adopted 29-Sep-2011 [42015]
- WALLONIA: Order on the energy certification procedure for existing non-residential buildings adopted 20-Oct-2011 [42039]

Finland

- Amendments on the Inspection of Cranes under the Government Decree on the Safe Use and Inspection of Work Equipment adopted 27-Nov-2011 [27304]
- Decree on Pressure Equipment and Tanks to be used for the Transportation of Dangerous Substances adopted 08-Sep-2011 [40210]
- Government Decree on Health and Safety Plans and Qualifications for Divers carrying out Construction Work Under Water adopted 25-Oct-2011 [40824]
- Government Decree on the Recovery of Gasoline Vapours at Distribution Stations adopted 25-Oct-2011 [41165]

(Continued on page 11)

Do you want to be fully informed on changing EHS regulations? And how they impact your business?

This Enhesa Flash highlights recent regulatory EHS developments. For more details, you can consult the **Enhesa Update**, which provides a one-paragraph abstract for each development.

For more detailed and focused information, the **Enhesa Regulatory Monitoring Service** is a perfect solution. This service summarises all regulatory EHS developments (policies, laws, regulations, proposals, etc.) of interest to your operations and/or products in the countries you specify.

For each development, a tailored business impact analysis is made for your company's operations. In most cases, a link to the full text of the regulation is provided, either on the internet or in the Enhesa Knowledgebase of more than 35,000 texts.

The report is accompanied by a compliance calendar, a list of legislation and links to further information. These reports are delivered through a dedicated website tailored to your needs and connected to your company's intranet.

Western Europe (continued)

France

- Ordinance transposing Directive 2009/28/EC on the promotion of the use of energy from renewable sources issued 14-Sep-2011 [40126]
- Order on the energy efficiency certificates to be established by project owners for new buildings adopted 11-Oct-2011 [41986]
- Decree on the information to be provided on the CO2 quantity emitted during transport adopted 24-Oct-2011 [41992]
- Decree on the geological storage of carbon dioxide adopted 31-Oct-2011 [41997]
- Decree relating to the carrying out of construction works near transport and distribution networks adopted 05-Oct-2011 [42062]
- Requirements on the storage of infectious medical waste and on the control of the disposal schemes for such waste amended 14-Oct-2011 [42136]
- Draft Ordinance establishing the legislative framework for the transposition of the Directive on industrial emissions (IED) issued 27-Sep-2011 [42185]

Germany

- Act to Transpose the Marine Strategy Framework Directive entered into force 13-Oct-2011 [39876]
- Deadline to submit applications for the free allocation of greenhouse gas emission allowances pursuant to the ZuV 2020 published 26-Sep-2011 [41120]

Greece

- Ratification of the Statute of the International Renewable Energy Agency (IRENA) 23-Sep-2011 [41765]
- Law on environmental permits and illegal buildings/constructions adopted 21-Sep-2011 [41768]
- National surface and groundwater monitoring network created 09-Sep-2011 [41771]
- Decision on the analytical methods for chemical analysis and monitoring of water status pursuant to Directive 2009/90/EC adopted 06-Sep-2011 [41774]

Ireland

- The Planning and Development (Amendment) (No. 2) Regulations 2011 adopted 13-Sep-2011 [41577]
- Technical specifications for the chemical analysis and monitoring of water status, approved 27-Sep-2011 [42143]
- Regulation on wildlife conservation adopted 27-Sep-2011 [42145]

- Control of Substances that Deplete the Ozone Layer Regulations 2011 adopted 07-Sep-2011 [42146]
- Amendments to the EIA and Habitat regulations, adopted 21-Sep-2011 [42165]

Italy

- Decree on the financial guarantees to be provided for the registration to the National Register of Environmental Managers enters into force 22-Sep-2011 [41240]
- Decree implementing Regulation (EC) n. 166/2006 on the institution of a National pollutant release and transfer register adopted. 26-Sep-2011 [41483]
- New Decree on detention and accountancy of special fissile material, ores, source materials, and nuclear fuel, adopted 28-Sep-2011 [42060]
- Framework Act on transposition of Community Law for year 2010 proposed 19-Sep-2011 [42090]

Luxembourg

- Amendment to the Law on Classified Establishments adopted 13-Sep-2011 [36105]

Netherlands

- Agreement on waste management fees for paper and cardboard, applicable to the paper sector published 06-Oct-2011 [16683]
- Act, Decision and Rule implementing Directive 2009/31/EC and Oskar Decision 2007/2 on the storage of carbon dioxide streams enter into force. 09-Sep-2011 [41217]
- Amendment adopted to the Policy rules of the Dutch Emissions Authority including fines for non-compliance with emission trading legislation 14-Sep-2011 [41441]
- Amendment to Environmental Management Act on the notification of unusual incidents enters into force 25-Oct-2011 [41836]
- Act ensuring implementation of EU Regulation on dual-use-items in Dutch law adopted 18-Oct-2011 [41839]
- Amendment to Rule concerning "Area" legislation adopted 28-Oct-2011 [41845]

Portugal

- Portuguese version of ADR 2011 available 30-Sep-2011 [41672]

Spain

- Instruction IS-31 on radiological control of waste material generated from nuclear installations 17-Sep-2011 [41414]

(Continued on page 12)

(Continued from page 11)

- Royal Decree 1390/2011 regulating energy consumption labelling and information requirements for energy-related products 15-Oct-2011 [41781]
- Adopted Royal Decree 1388/2011 further regulating transportable pressure equipment 14-Oct-2011 [41783]
- Published the list of emergency telephone numbers for notifying accidents during the transport of dangerous goods by road and rail 19-Oct-2011 [41804]
- Royal Decree 1308/2011 on physical protection of nuclear facilities and materials and of radioactive sources 07-Oct-2011 [41840]
- Part of the Flood and Water Management Act 2010 Implemented 05-Sep-2011 [40709]
- Municipal Waste Landfill Limits Revised 15-Sep-2011 [41544]
- Renewable Heat Incentive Regulations 05-Sep-2011 [41561]
- New Provisions Relating to Pesticide Machinery Safety 05-Sep-2011 [41585]
- Storage of Carbon Dioxide Regulations 15-Sep-2011 [41590]
- New Offshore Safety Zones Established 01-Oct-2011 [41599]
- Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations Amended 26-Sep-2011 [41678]

Sweden

- Amendments to the provisions on Mercury under the Chemical Products (Handling, Import, and Export Prohibitions) Ordinance adopted 04-Oct-2011 [41466]
- Ordinance on the Supervision of Energy-Related Products adopted 27-Sep-2011 [41909]
- Swedish Transport Agency Regulations relating to Accident Reporting and Safety Reports for the Railway Industry adopted 03-Oct-2011 [41911]
- Consultation on Charges for Local Authority Environmental Regulation of Industrial Plant 29-Sep-2011 [41703]
- Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations Amended for Northern Ireland 18-Oct-2011 [42194]
- New Order Seeks to Improve the Delivery of Water Framework Directive Obligations in Scotland 25-Oct-2011 [42203]

Switzerland

- New restrictions on the use of active substances in biocidal products adopted 16-Sep-2011 [41626]
- New Energy Act Adopted 18-Oct-2011 [42204]
- New Offshore Safety Zones Established 14-Nov-2011 [42226]

United Kingdom

- The International Renewable Energy Agency given legal status in the UK 12-Oct-2011 [39535]
- New responsibilities given to the Fire and Rescue Service Board in Northern Ireland 12-Oct-2011 [42228]



Can you be confident that your products meet EU rules?

The EU Product Compliance Checklist will guide you through the myriad of requirements to help you verify and document compliance. For more information on how you can use the EU Product Compliance Checklist to review products for compliance with regulations – ranging from hazardous substances restrictions, to packaging and labelling standards, to end-of-life requirements – contact us at info@enhesa.com.

International

International

- ISO: Publishes new standard for the eco-design of products 29-Sep-2011 [41686]

Central & South America

Argentina

- Regulation for inspection, control and conversion of facilities located in the Matanza Riachuelo river basin reviewed 15-Sep-2011 [36438]
- Regional offices of the Occupational Risks Authority (S.R.T.) established 05-Sep-2011 [41518]
- Regulation on non-reimbursable contributions (ANR) of the plan on clean production for all (PPLT) adopted 20-Sep-2011 [41519]
- CHUBUT: Projects on native forest conservation and sustainable management approved 05-Sep-2011 [41517]

Brazil

- Federal environmental licensing procedures amended 15-Nov-2011 [26848]
- Minimum water flow requirements established 26-Sep-2011 [41564]
- Laws on national fuel supply policy and vehicles emissions reductions amended 19-Sep-2011 [41567]
- Rules for the registration of water users published 02-Sep-2011 [41595]
- SAO PAULO: Alto Tiete river basin to implement water use fees 12-Sep-2011 [41803]
- Authority over the Rio Doce Basin delegated to IBio 11-Oct-2011 [41919]

Chile

- Law prohibiting young workers to work at night adopted 06-Oct-2011 [41796]
- Amendments to the maternity leave adopted 17-Oct-2011 [42019]
- Fuel-powered products required to have a certification prior to be placed on the market 18-Oct-2011 [42020]

Colombia

- Promulgation of the Rotterdam Convention on the Prior Informed Consent (PIC) Procedure on export and import of pesticides and hazardous chemicals 19-Sep-2011 [15752]
- National authority of environmental licenses created 19-Sep-2011 [41512]
- Internal organization of the Ministry of Environment and Sustainable Development regulated 27-Sep-2011 [41514]

- Law on consumer protection adopted 12-Oct-2011 [41890]

Costa Rica

- New persistent organic pollutants included in the list of the Stockholm Convention adopted 23-Sep-2011 [41474]
- Technical standards to demonstrate Carbon-neutrality approved 18-Oct-2011 [41810]

Mexico

- NOM-031-NUCL-2011 on training requirements for personnel exposed to ionizing radiations published 26-Nov-2011 [27030]
- Update to the standard establishing minimum safety requirements to control radioactive contamination published 26-Oct-2011 [37042]
- NOM-039-NUCL-2011 which updates specifications for exemptions of some activities and sources of ionizing radiation published 26-Oct-2011 [37616]
- NOM-023-SCT2-2011 establishing technical requirements for label plates on hazardous material, substance and waste containers published 08-Sep-2011 [38206]
- Registration guidelines for LP Gas transportation vehicle identification chip published 22-Sep-2011 [41745]
- The creation of Advisory Counsels for Sustainable Development published 29-Sep-2011 [41760]
- Agreements to announce that PROFEPA delegates administrative responsibilities to Under-Attorneys published 14-Oct-2011 [42095]

Puerto Rico

- Puerto Rico prohibits the use of mobile phones when driving motor vehicles 12-Oct-2011 [41819]

Uruguay

- Implementation of GHS in Uruguay postponed 13-Oct-2011 [42009]

Venezuela

- Registration of operators of controlled substances launched 05-Oct-2011 [42189]

EHS Regulatory Registers

Regulatory Registers are an essential tool for EHS compliance and, especially, for assessing against ISO 14001 and OHSAS 18001. By allowing companies to identify and maintain an up-to-date list of EHS legislation that is applicable to their particular operations, this tool provides a solid basis for a compliance program. This service is available from Enhesa for facilities in more than 60 countries and jurisdictions.

The latest updates include **Belgium – Federal, Flanders, Wallonia**, and **Brussels, UK – England and Scotland, Sweden, Ireland and Jordan**, as well as **Indonesia, Italy and Hungary** in the local language. Currently, the Regulatory Registers for the **UK – Wales**, the **Netherlands, Norway** and **Turkey** are being updated.

Contact us for further information at:

regregs@enhesa.com

New feature—from information system to collaboration platform (continued)

(Continued from page 1)

provides an in-depth analysis of issues, initial ranking and specific business impact analysis. The new feature goes a step further by allowing users to really manage issues in a way that promotes proactive collaboration within the management framework of each specific company.

Users can identify impacted facilities, processes or products, rank issues, assign issues to colleagues, create a “hot list” of topics, link reports to relevant internal documentation, and comment on issues in a collaborative way with associates. The feature generates email alerts to flag important changes and allows export of the reports and annotations to Excel.

The Enhesa Regulatory monitoring service is available for more than 150 jurisdictions. The new feature is an upgrade of the website set up for the client to a collaboration platform. As Thierry Dumortier, Managing Director of Enhesa says, “The collaboration platform empowers companies to really manage issues - not just be aware of them,” thus leading to more efficient and effective EHS departments.

Please [contact Enhesa](#) for more information and a demo of the regulatory monitoring service on the collaboration platform.



Source: www.metamaps.cc

The EU Roadmap to a Resource Efficient Europe

Challenges and opportunities for Europe on the horizon



Source: www.ehi.eu

If Europeans continue using resources at their current speed, the equivalent of two planets will be needed by 2050 in order to sustain them, with no hope of a better quality of life. This is based on the strong assumption that the European Commission published its *2020 Roadmap to a Resource Efficient Europe*.

The *Roadmap to a Resource Efficient Europe* proposes actions foreseen as necessary to reach sustainability and achieve a more resource-efficient and low-carbon economy by 2020. The European Commission is taking on the challenge of decoupling economic growth from the use of natural resources. The Roadmap therefore announces needed transformation across all sectors of activities, from energy, industry and transport, but also from a consumer behavior perspective. The European Commission chose a two-tier indicator approach for moving forward to a resource-efficient Europe, the enhancing of Resource Productivity and the protection of key natural resources (water, marine environmental, metals, etc.).

Milestones to achieve by 2020

Sustainable growth will only be reached through cooperation among public and private stakeholders to ensure coherent financing, policy, investment, innovation and research. According to the Roadmap, action will be focused on improving the interdependencies between the economy and natural resources for better resource efficiency but also for increased competitiveness. For instance, the Roadmap proposes a shift from taxation of labor to taxation on environmental resources in order to reflect the actual price of under-valued resources such as water, biodiversity or clean air. The Roadmap also integrates a number of policy initiatives with the goal to transform the market, which revolves around better efficiency throughout the life-cycle of a product. The Roadmap therefore sets a series of milestones along with the suggested measures to achieve them by 2020.

From legislation to market-based instruments, the European Commission uses various mechanisms to set policy objectives on energy, waste, biodiversity, water but also sustainable consumption and production and boosting efficient production. Key sectors identified for specific action would promote healthier and more sustainable food production and consumption, the high resource efficiency of buildings and finally efficient mobility and transport.

Improving efficiency in the product life cycle

From the perspective of sustainable and efficient production and consumption, the Roadmap highlights better efficiency measures for each step of the life of a product, from design and production to marketing. It starts at the use and choice of raw materials, i.e. the design of the product. The Roadmap recommends tackling all barriers to eco-innovation and boosting research in order to promote more-efficient products. Fiscal incentives and funding should be developed in Member States to encourage businesses to improve on a systemic level their resource efficiency. Also, the reduction of hazardous substances in products or the reuse of waste and by-products are measures proposed towards rewarding companies investing in innovative products. The Roadmap underlines the need to turn waste into a resource. Recycling and reuse of waste are to be promoted to ensure waste returns as a raw material.

When looking at the marketing phase of the product, the goal of the Roadmap to a resource efficient Europe is to change consumers' habits towards the purchase of environmentally-friendly products. The Roadmap recommends putting in place by 2020 adequate incentives to inform consumers on resource-efficient products through environmental information and pricing. The Roadmap foresees it as an incentive for companies to produce more efficient products. However, changing consumption patterns would not only be done through incentives for efficient

(Continued on page 16)

(Continued from page 15)

products but also through regulatory measures. Minimum environmental performance standards are also recommended to be set on all types of products, through for instance an extension of the scope of the Ecodesign Directive. The Ecodesign Directive is currently applicable for energy-using products and products having an indirect impact on energy use and is in the process of being reviewed. Nevertheless, according to the first findings of the study on the review of the Ecodesign Directive expected in October 2011, the potential extension of the Ecodesign Directive to non-energy related products would be inadequate. In order to provide consumers with clear environmental information and reduce the environmental impacts of a product, the Roadmap to resource efficiency underlines the importance of assessing the environmental footprint of products. The European Commission developed a draft methodological guide for the calculation of the environmental footprint of products, which is to be tested early next year and finalized by September 2012. Other marketing incentives are to be given through green public procurement, for which the European Commission develops specific product criteria.

Getting Prepared in 2012

While actual targets are to be agreed on by 2013, actions and proposals should be taken as soon as 2012. It is yet too soon to know if all the policy and regulatory initiatives announced will actually be implemented, however the Commission is showing great incitement to revolutionize the European approach for better efficiency.

By dint of its extensive experience in the field of compliance with product-relating regulations, Enhesa can help companies cope with this new approach. Enhesa's Global Product Stewardship Services are dedicated to address all product manufacturers' concerns or will to jump on new opportunities created by product regulatory developments. Whether your main focus is set on the design stage of products, the production stage or the stage of placing goods on the markets, Enhesa's services can help you.

The Global Product Stewardship Services offers its users a variety of tools to respond to all types of situations:

STEP 1: Define the relevant

aspects of your product(s);

STEP 2: Country Profiles as a description of how these relevant aspects are regulated in your target markets;

STEP 3: Practical Analysis as an identification tool of what you need to do to put the product on the market in compliance with local requirements;

STEP 4: Help to get things done

STEP 5: Monitoring of regulatory and policy developments that impact your product on the market;

While actual targets are to be agreed upon in 2013, actions should be taken as soon as 2012

STEP 6: Product Compliance Audits.

The following are some examples of Global Product Stewardship projects Enhesa recently carried out.

- Prior to launching a new "natural" product, Enhesa helped a cosmetics manufacturer understand the relevant aspects of its products, how these aspects were regulated in more than 50 countries (varying from not regulated to prohibited), and what had to be done to put the product on the market in compliance with the local requirements (Steps 1, 2 and 3).
- Enhesa developed a checklist to allow product managers and market managers of a major petroleum company to ensure or verify whether the label of its lubricants met the local regulatory requirements. The tool is designed to be used for thousands of different products sold globally (Steps 3 and 6).
- Enhesa provided a large chemicals manufacturer with strategic information for staff resources allocation, Enhesa prepared an overview of adopted and upcoming regulations in the matter of chemical registrations/authorizations, classification, labeling, packaging and safety data sheets in 27 countries worldwide (Step 5).

If you are facing product regulatory questions, and would like to find out more on Enhesa Global Product Stewardship Services, please contact us at info@enhesa.com.

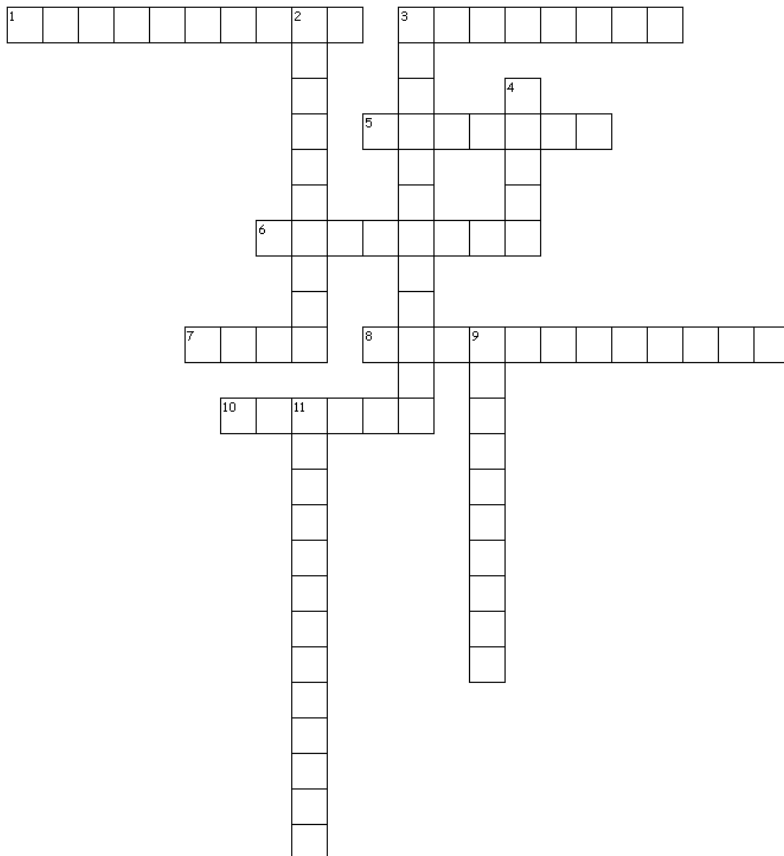
- Paul Olangier and Flore Cognat,
Enhesa EU Regulatory Consultants

Enhesa's International EHS Crossword

So you think you're an EHS expert??

Try our latest EHS Crossword puzzle and discover what you really know—or at least what you've read of this month's Flash! All answers in the crossword puzzle can be found throughout this month's Flash articles, monitoring headings, Enhesa news, and service updates. Good luck!

All answers for this month's crossword will be posted on the next edition of the Flash.



Across

1. Enhesa's Collaboration Platform enables users to _____ regulatory monitoring reports
3. European Commission published the _____ to a Resource Efficient Europe
5. Unlike EU REACH, items that contain substances and monomers which compose polymers are not subject to the registration requirement in this country
6. In the recent Asia Pacific Regulatory Outlook webinar, 93% of respondents believe that legal enforcement in Asia Pacific has become _____ over the years
7. Prior to ____, many Latin American countries used the nine physical hazards from the UN Recommendations on the Transport of Dangerous Goods, Model Regulations
8. 286 of Enhesa regulatory and policy developments in 2011 had to do with _____

10. Under binding targets of the Kyoto Protocol, this Asian country pledged to reduce total emissions by 25% below 1990 levels by 2020

Down

2. In September 2011, ISO published new standard for the _____ of products
3. Enhesa monitored 2,902 _____ in 2011
4. This US subcommittee charged by US Department of Energy and Obama with drafting steps to improve EHS concerns during shale gas development (Acronym)
9. Recently, Enhesa added a new report on the _____ to the use of the latest version of GHS
11. Forging _____ to be the biggest challenge to recommendations by US Secretary of Energy Advisory Board Subcommittee for shale gas production companies

Flash 61 Answers:

Across
 3. GHG
 6. Scorpions
 7. Asbestos
 8. Disabled

Down
 1. PHMSA
 2. Asia
 4. Arsenic

5. France
 6. Six
 7. Ammonium
 9. Boulders

Canada

- Notice with respect to reporting of greenhouse gases for 2011 published 01-Oct-2011 [16873]
- Adopted Order Adding Toxic Substances, Chlorinated Alkanes, to Schedule 1 to the Canadian Environmental Protection Act 1999 12-Oct-2011 [27074]
- Adopted Orders amending the Domestic Substances List and the Non-domestic Substances List 12-Oct-2011 [41030]
- Adopted Regulations Amending the Transportation of Dangerous Goods Regulations (Amendment 10) 12-Oct-2011 [34947]
- Significant New Activity Notice No. 16421 adopted regarding 2-propenoic acid, 2-methyl-, alkyl ester, polymer 17-Sep-2011 [41019]
- QUEBEC: Regulation on the exemptions to water works authorisations adopted 02-Nov-2011 [37226]
- QUEBEC: Amendment to the Regulation on occupational health and safety adopted 21-Sep-2011 [37227]
- SASKATCHEWAN: Plumbing Regulations repealing the Plumbing and Drainage Regulations adopted 16-Sep-2011 [41593]
- SASKATCHEWAN: Private Sewage Works Regulations adopted 16-Sep-2011 [41594]
- Final test rule issued for third group of HPV chemicals 15-Nov-2011 [33880]
- EPA lifted administrative stay on hydrogen sulfide release reporting 17-Oct-2011 [33881]
- Adopted amendment to standard for the flammability of mattresses and mattress pads 23-Sep-2011 [36982]
- Finalized greenhouse gas emissions standards and fuel efficiency standards for medium- and heavy-duty engines and vehicles 15-Sep-2011 [36983]
- Amended energy conservation standards for residential refrigerators and freezers adopted 15-Sep-2011 [27385]
- Department of Energy adopted amendments to agency's NEPA regulations 13-Oct-2011 [38032]
- EPA adopted final rule amending the NESHAP for plating and polishing area sources for clarification purposes 19-Sep-2011 [40484]
- Changes to GHG calculation and monitoring requirements for semiconductor manufacturers 27-Sep-2011 [40516]
- Rule to exclude external power supplies used in security or life safety alarms or surveillance system components from energy conservation standards 19-Sep-2011 [41654]
- OSHA issued 2011 inspection plan for high-hazard workplaces 08-Sep-2011 [41708]

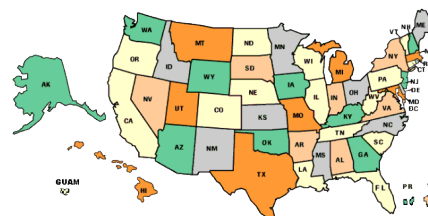
United States

- EPA published final rule for carbon dioxide sequestration wells 15-Sep-2011 [26850]
- EPA adopted amendments to the best available monitoring method (BAMM) requirements for petroleum and natural gas systems 27-Sep-2011 [32574]
- Adopted rule regarding phytosanitary treatment of wood packaging 29-Sep-2011 [33418]
- 2011 update to the list of goods from countries produced by child labor or forced labor issued 03-Oct-2011 [41928]
- Expanded list of acceptable substitutes for ozone-depleting substances issued 04-Oct-2011 [41930]
- 36 new SNURs issued by EPA 05-Oct-2011 [41944]
- Office of Energy Efficiency and Renewable Energy issued draft job/task

(Continued on page 20)

Expanded US state Audit Protocol and ScoreCard coverage

In response to client demand, Enhesa is now offering all US state Audit Protocols and Scorecards in 2011. Enhesa's US State Audit Protocols and Scorecards provide the same timely, accurate and easy-to-use compliance tools as before, but with the added advantage of integrating federal and state requirements into one user-friendly tool. State-level Audit Protocols are priced at USD 3,000 per state.



For more information on availability of US State Audit Protocols and Scorecards contact Enhesa at protocols@enhesa.com or call +1.202.552.1090.

SEAB-issued recommendations present new challenges to shale gas industry



Source: www.businessweek.com

The Secretary of Energy Advisory Board Subcommittee (SEAB) released its final report on Shale Gas Production, which calls on state, federal, and industry stakeholders to protect the environment while developing shale gas resources. The SEAB was charged by the U.S. Department of Energy and President Obama with drafting a report on immediate steps that can be taken to improve safety and environmental concerns during all stages of shale gas development. The role of the SEAB is to act as an advisor to the Department of Energy, in order to ensure the shale gas resources in the United States are developed with considerations to the environment and human health.

SEAB's call to action: A federal, state and partnership approach

The SEAB sets forth twenty recommendations, which are directed at state and local agencies, industry, and private landholders in order to address the potential concerns related to shale gas production. The SEAB stated that implementing the recommendations will require "a great deal of effort, and regulators, public officials, and companies need to decide how to allocate scarce human and financial resources to each recommendation." The twenty recommendations are classified into three categories: (1) recommendations ready for implementation by federal agencies; (2) recommendations ready for implementation by states; (3) recommendations that require new partnerships and mechanisms for success.

The recommendations for

implementation by federal agencies are recommendations the SEAB stated should be implemented immediately.

These recommendations include:

- improving public information about shale gas operations;

SEAB sets forth 20 recommendations directed at state & local agencies, industry and private landholders....

- improving communication among federal and state regulators and providing federal funding for peer review by non-profit organizations such as the State Review of Oil and Natural Gas Environmental Regulations (STRONGER) and the Ground Water Protection Council;
- measures to be taken to reduce emissions of air pollutants, ozone precursors, and methane as quickly as practicable;
- enlisting a subset of producers in different basins to design and field a system to collect air emissions data
- launch a federal interagency planning effort to acquire data and analyze the greenhouse gas footprint of natural gas use;
- encouraging shale gas production companies and regulators to expand efforts to reduce air emissions using proven technologies and practices;
- launch additional field studies on possible methane migration from shale gas wells to water reservoirs;
- disclose hydraulic fracturing fluid composition;

(Continued on page 21)

(Continued from page 18)

- analyses for persons in charge of energy efficiency at commercial buildings 14-Oct-2011 [42065]
- CALIFORNIA: Final cap-and-trade program regulation issued 20-Oct-2011 [32412]
- CALIFORNIA: Adopted amendments to ambient air quality area designations for ozone in the state 23-Sep-2011 [39950]
- CALIFORNIA: OEHHA final amendments changing the calculating requirements for estimates of human cancer potency adopted 12-Oct-2011 [40785]
- CALIFORNIA: Governor Brown signed into law bill amending the state's medical waste containment and storage requirements 06-Sep-2011 [41570]
- CALIFORNIA: Governor Brown signed the Toxin-Free Infants and Toddlers Act 04-Oct-2011 [41571]
- CALIFORNIA: Governor Brown signed into law bill permitting the disposal of recyclable latex paint at certain hazardous waste collection facilities 06-Sep-2011 [41591]
- COLORADO: Regulations revising hazardous waste manifest regulations adopted 10-Sep-2011 [40887]
- DELAWARE: Adopted amendments to approval requirements for alternative coating methods 01-Oct-2011 [39472]
- ILLINOIS: Adopted amendments to compliance date for state nitrogen oxides emission requirements from various source categories 02-Sep-2011 [39428]
- ILLINOIS: Amendments to nitrogen oxide emissions regulation adopted 14-Oct-2011 [40309]
- INDIANA: Fire Prevention and Building Safety Commission announced emergency rule to adopt boiler and pressure vessel standards 12-Oct-2011 [42008]
- KANSAS: Department of Health and Environment proposed NPDES general permit 08-Sep-2011 [41680]
- MONTANA: Amendments adopting effluent limitations and standards for consistency with federal requirements adopted 13-Oct-2011 [39893]
- MONTANA: Amendments to state air quality regulations for consistency with federal preconstruction review requirements published 13-Oct-2011 [39894]
- MONTANA: Adopted amendments to state water use regulations to align requirements with recent statutory amendments 22-Sep-2011 [40813]
- MONTANA: DEQ amendments to the petroleum and underground storage tank regulations for consistency with statutory changes adopted 27-Oct-2011 [41536]
- MONTANA: Amended Asbestos control requirements to align with federal requirements 27-Oct-2011 [41990]
- NEVADA: Regulations removing the biennial reporting requirement for certain generators of hazardous waste adopted 26-Oct-2011 [40769]
- NEW JERSEY: New general permit developed allowing the use of combined heat and power generation 05-Oct-2011 [41623]
- NEW YORK: Regulations issued incorporating the federal NSR PM2.5 Implementation Rule and GHG Tailoring Rule 05-Oct-2011 [37792]
- NEW YORK: Updated state air emissions regulations to current federal NESHAP standards 05-Oct-2011 [27692]
- NEW YORK: Governor Cuomo signed bill limiting oil and gas activities in Allegany State Park 23-Sep-2011 [41533]
- NORTH CAROLINA: Adopted amendments establishing stricter ambient air quality standards for sulfur dioxide (SO₂) and nitrogen dioxide (NO₂) 03-Oct-2011 [39067]
- PENNSYLVANIA: Notice issued of availability of general NPDES permit for the application of pesticides 29-Oct-2011 [41963]
- SOUTH CAROLINA: Notice of final amendment on response to EPA's revised lead NAAQS 23-Sep-2011 [39081]
- SOUTH CAROLINA: Notice issued that final amendments adopting NFPA 58, Liquefied Petroleum Gas Code, 2011 Edition were announced in error 23-Sep-2011 [41149]
- SOUTH CAROLINA: Final amendments incorporating federal changes to occupational safety and health standards 28-Oct-2011 [41964]
- TENNESSEE: Department of Environment and Conservation issued amendments to standards for protection against radiation 08-Dec-2011 [41560]
- VIRGINIA: Final regulation amending and reissuing the existing general VPDES permit in the Chesapeake Bay watershed 24-Oct-2011 [41894]
- WASHINGTON: Increase for certain wastewater and stormwater permit fees adopted 27-Sep-2011 [40890]
- WISCONSIN: Repeal of secondary state ambient air quality standards for particulate matter measured as total suspended particulate 13-Oct-2011 [40318]

SEAB-issued recommendations present new challenges to shale gas industry (continued)

(Continued from page 19)

- eliminate diesel use in fracturing fields;
- define limits for research and development and budget levels for the Department of Energy, Environmental Protection Agency, and the U.S. Geological Survey.

The SEAB suggested states address four recommendations, all targeted at water quality issues at shale gas sites. Two recommendations, to measure and publicly report the composition of water stocks and flow throughout fracturing and cleanup and to manifest all transfers of water among different locations, rely heavily on the ongoing EPA study which is currently studying the impacts of hydraulic fracturing on drinking water resources. The SEAB also suggests state agencies adopt best practices in well development and construction, especially for casing, cementing, and pressure management, as well as adopt requirements for background water quality measurements.

The biggest challenge

The recommendations that require new partnerships or mechanisms are considered to be the most challenging of all of the reports suggestions, primarily because the recommendations involve state and local funding, studies, and cost. These recommendations include the protection of water through a systems or lifecycle approach towards water management; modernizing rules and enforcement practices to ensure protection of drinking water and surface water; managing short term and cumulative impacts on communities, land use, wildlife, and ecologies; and establishing leadership initiatives, established by industry, that involve public interest groups, state and local regulatory agencies, and local colleges.

The SEAB report essentially calls upon federal agencies, state agencies, and industry to protect the environment during a time where the growth of shale gas production is expected to increase

throughout the United States. If the recommendations set forth in the report are followed, this will greatly increase the need for regulation at both the state and federal level, and would require industry to participate in studies and provide meaningful feedback to develop programs that will eliminate environmental concerns.

Enhesa has a team of highly trained

If recommendations are followed, this will greatly increase the need for regulation at both state & federal levels...

experts to provide companies with the most up-to-date regulatory information around the globe. Enhesa also offers tailored solutions to industry-specific needs. If you are interested in viewing Enhesa's tailored solutions for your industry, please contact us at info@enhesa.com.

- Rachel Degenhardt, US EHS
Regulatory Consultant

Turkey aims to harmonize its chemical legislation with the EU REACH and CLP regulation



Source: www.epa.gov

In Turkey, the Ministry of Environment and Urbanisation has been aiming to comply with the European Union (EU) legislation on chemicals, amongst others European Union (EU) Regulation EC/1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (known as REACH Regulation) and Regulation EC/1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures (CLP Regulation).

What's similar to the EU REACH regulation in Turkey?

In December 2008 the Regulation on Inventory and Control of Chemicals (Kimyasalların Envanteri ve Kontrolü Hakkında Yönetmelik) O.J.27092 was published by the Ministry to collect information on the substances manufactured and imported to Turkey. The Regulation requires importers and manufacturers of chemical substances to notify them to the Ministry of Environment. Under the Regulation, similar to the EU REACH Regulation all substances, except those listed in the Regulation as exempted substances, that are manufactured or imported to Turkey in quantities exceeding 1 tonne/year (there are two tonnage bands 1 - 1000 tonnes per year and greater than 1000 tonnes per year) have to be registered at the Ministry of Environment.

In addition, manufacturers and importers must also submit the information set out in Articles 7, 8 and 11 of the Regulation to the Ministry. The registration and notification provision to

the Ministry does not apply to certain substances listed in Annex 1 to the Regulation including d-glucitol (CAS No.50-70-4); lactose (CAS No.63-42-3); carbon dioxide (CAS No.124-38-9); calcium pantothenate (CAS No.137-08-6); carbon (CAS No.7440-44-0); and lecithins (CAS No.8002-43-5). Polymers are also exempt from the registration provision of Regulation O.J.27092. Moreover, manufacturers and importers that have done the notification to the Ministry are also required to update the information in certain cases within the time frames established by the Regulation.

What's different from the EU REACH regulation, and what's in store?

It should be noted that, in contrary to the EU REACH Regulation items that contain substances/preparations (e.g. substances composing ink contained in cartridges and pens) and monomers which compose polymers are not subject to the registration requirement. The Ministry of Environment will draft and publish a priority chemicals list on the basis of the information obtained from the producers and importers of substances. A risk assessment will be conducted on the substances listed in the priority list by the Turkish authorities. If requested, importers and producers must provide information and additional test results of substances to the Ministry. It is expected that the implementation regulations related to the REACH will be published in 2013 by the Ministry of

(Continued on page 23)

Turkey aims to harmonize its chemical legislation with the EU REACH and CLP regulation (cont'd)

Environment.

Moreover, in 2008 the Regulation on the Classification, Packaging and Labelling of Dangerous Substances and Preparations (Tehlikeli Maddelerin ve Müstahzarların Sınıflandırılması, Ambalajlanması ve Etiketlenmesi Hakkında Yönetmelik) O.J.27092 was

2011. Once the Turkish CLP Regulation enters into force it will introduce the United Nations' Globally Harmonized System (GHS) in Turkey. The Turkish CLP would introduce new classification criteria, hazard symbols (pictograms) and labeling phrases for chemicals.

If you are seeking for more information on the Turkish REACH or other rapid regulatory developments related to EHS in Turkey and how your company can ensure it is in compliance, please contact Enhesa at

Implementation regulations related to the REACH expected to be published in 2013 by the Ministry of Environment

published to transpose the EU Dangerous Substances Directive 67/548/EEC and the Dangerous Preparations Directive 99/45/EC into the Turkish legislation. However, the Regulation is not in full compliance with the CLP Regulation. Thus, a draft Turkish CLP Regulation has been prepared by the Ministry to transpose the CLP Regulation fully. To this end, the Technical Assistance Project of the CLP Regulation was completed in June

info@enhesa.com.

- *Rakibe Külçür*, Turkey EHS Regulatory Consultant

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Enhesa's range of EHS Country Profiles keeps growing. We now have Country Profiles for more than 150 countries and jurisdictions.

New EHS Country Profiles

Enhesa has recently developed or updated the following EHS Country Profiles:

Angola	Netherlands	US – Ohio
Belgium – Flemish Region	Romania	US – Mississippi
Canada – Federal	South Korea	US – Missouri
Canada – Alberta	Tunisia	US – Nebraska
Canada – Nova Scotia	UK - England	US – Tennessee
Canada – Ontario	UK-Scotland	US – Texas
Canada – Quebec	Uruguay	US – Utah
Colombia	US – Federal	US – Virginia
Germany - Federal	US – Arizona	US – Washington
Mexico – Nueva Leon	US – Georgia	US – Wisconsin
Monaco	US – Kansas	

To find out about purchasing any of these or having an EHS Country Profile tailored to your specific operations, please contact us at profiles@enhesa.com.

As an additional section of Enhesa's GHS tracking service, Enhesa has added information related to barriers to chemical shipments presented by countries that have not yet implemented the Globally Harmonized System for Classification and Labeling of Chemicals (GHS). Information spans the globe with data for Turkey, Saudi Arabia, Ukraine, Canada, India, Israel, and many more. Until now, Enhesa's GHS tracking service focused on identifying progress towards GHS implementation, but information recently added provides descriptions of classification and hazard communication requirements in countries that have not adopted GHS. These countries may present unique barriers to chemical shipments.

In the case of Canada...

A significant barrier to shipments may be found in the Canadian chemical classification system. The system classifies chemicals with six physical hazards: compressed gas (Class A); flammable and combustible material (Class B); oxidizing material (Class C); poisonous and infectious material (Class D), corrosive material (Class E) and dangerously reactive material (Class F). These contain endpoints that vary from related GHS physical hazards. Tests must be conducted according to prescribed testing methods. Classification is specified in the Federal Hazardous Products Act and the accompanying Controlled Products Regulations. Canada generally requires a nine heading format, as described in Schedule 1 of the Controlled Products Regulations. However, the sixteen heading MSDS format may be used to meet Canada's MSDS requirement.

Latin American countries

Latin America presents a less significant barrier than Canada. Prior to GHS, many Latin American countries used the nine physical hazards from the UN Recommendations on the Transport of Dangerous Goods, Model Regulations. This system is still used in Chile, Colombia and Venezuela. Laws in these countries do not present a significant barrier to shipments classified according to GHS, where physical hazards are included. This is so

because Colombia, Chile and Venezuela do not specify endpoints or tests. The laws reference the UN Recommendations, providing companies with flexibility in endpoints. The law also states that companies must consider health hazards and provide toxicity data where possible. Health hazard classes provided in GHS may be used, but are not necessary to meet legal requirements.



What about the Middle East?

With consciousness about chemical safety increasing in the Middle East, the Gulf Arab states have coordinated efforts to implement GHS.



Qatar has published a notification of GHS adoption with other Gulf Arab states expected to follow soon. In identifying barriers to GHS implementation, Enhesa has added information for Saudi Arabia, Egypt, Algeria and Morocco. Egyptian law does not specify hazard classes, but does require an MSDS in Arabic with specified information regarding contents and handling of a hazardous chemical. Morocco has implemented a voluntary standard with chemical lists of classified substances. Morocco classifies dangerous substances as: explosive, oxidizing, extremely flammable, easily flammable, flammable, very toxic, toxic, harmful, corrosive, irritating and environmentally-hazardous.

Developments in Asia Pacific

Enhesa has also added information for several countries in Asia including Pakistan, India, Hong Kong, Philippines and Thailand. Classification requirements in Hong Kong present a significant barrier to chemical shipments.

Barriers to GHS

Hong Kong implements two detailed standards for classification that vary from GHS, Cap. 295AB and Cap. 59AB. Cap. 295 AB is a general classification standard that affects both transport and workplace storage. Cap. 59 AB applies to workplace storage only. Chemicals that are classified under the general standard, Cap. 295AB, are exempt from requirements of Cap. 59AB. However, certain chemicals may meet hazard criteria under Cap. 59AB that do not meet hazard criteria under Cap. 295 AB. Such chemicals must be classified under Cap. 59 AB.

Similarly, India uses a combination of lists and laws to classify chemicals. However, the barrier to shipments is significantly less than Hong Kong, since the Indian requirements are compatible with GHS. Companies must reference its GHS classifications against the official Indian classifications in Schedule I (i.e. Annex I) of the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 (as amended in 2000). This law does not implement GHS. Schedule I contains classifications by three general classes: toxic, flammable and explosive. In practice, GHS classifications are used in India, provided that a label contains data regarding toxicity, flammability and explosivity, as required in Indian national law. Explosives must be further classified pursuant to the Explosives Rules, 2008.

As can be seen by these examples, companies sending shipments are often riddled with a matrix of overlapping classification requirements. Countries that do implement GHS are in varying stages of implementation working from varying GHS revisions. Countries that have not implemented GHS sometimes present other barriers to shipment with unique classification requirements. New information in Enhesa's GHS tracking

Companies sending shipments are often riddled with a matrix of overlapping classification requirements

service assists companies in navigating this matrix.

For current subscribers to the service, information regarding barriers to shipment is available in the third tab of table, "Global Summary Table of GHS Implementation." If you are interested in obtaining more information on Enhesa's GHS service, please contact us by sending an email to info@enhesa.com.

- *Riaz Zaman, EHS Regulatory Consultant*

Enhesa's Compliance Manager

The Easy-to-Use Solution That Combines all EHS Services

Do you have difficulties keeping track of the never-ending stream of new EHS regulatory requirements? Do you want to be able to identify what directly applies to you and why? Do you want to be able to verify and ensure you have done what needs to be done? For these and many other viable reasons, Enhesa worked to develop an easy-to-use, web-based solution that combines the best elements of its various regulatory compliance assurance services.

Your solution to EHS Regulatory Compliance in **three steps**:



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For a demo of the Enhesa Compliance Manager, please contact us by email at enhesa@enhesa.com

audit protocols

Enhesa ScoreCards and Audit Protocols can be used by facility and corporate management to ensure compliance.

Delivery Formats for 2012

Coming in 2012, Enhesa Audit Protocols will have a new and improved format! Our unique Excel ScoreCard will include several new features to pre-screen information and track changes from previous audits. Additionally, each Audit Protocol will include access to an online Country Profile, in lieu of the PDF format. The new online Country Profile allows for easier navigation, more possibilities to tailor information, and fully integrated search capabilities. Contact Enhesa to see the new format at protocols@enhesa.com.

We pride ourselves on offering the most up-to-date Audit Protocols worldwide. Enhesa recently updated or developed the following Audit Protocols, bringing the total to over 150.

For help with identifying and understanding legal requirements before they impact your business, please contact us at protocols@enhesa.com for further details.

Recently released or updated Audit Protocols

Angola	Greece	United States – Mississippi
Azerbaijan	Japan	United States - Nebraska
Australia- South Australia	Mexico – Nuevo Leon	United States – North Carolina
Belgium – Flanders	Netherlands	United States - Texas
Canada - Nova Scotia	Peru	United States – Virginia
Canada – Ontario	Philippines	United States - Washington
Canada - Quebec	Romania	United States – Wisconsin
Colombia	South Korea	United Kingdom – England
Denmark	Sweden	Uruguay
Gabon	United States – Georgia	Vietnam
Germany	United States - Michigan	

Audit Protocols under development or currently being updated

Botswana	India	United States—Connecticut
Brazil—Federal	Indonesia	United States—Kansas
Brazil – Minas Gerais	Ireland	United States—Maryland
Brazil—Rio de Janeiro	Italy	United States—Minnesota
Canada – New Brunswick	Kazakhstan	United States—New Jersey
China - Guangdong	Malta	United States—North Dakota
China- Tianjin	Mexico	United States—Rhode Island
Costa Rica	Tunisia	United States—South Dakota
Germany – Hesse	United Kingdom - Wales	United States—Utah
Germany – Lower Saxony	United Sates—Federal	

Do you have an audit in the pipeline but no audit tool?

Looking to share development costs on new protocols?

We have received requests for a number of new Audit Protocols, and are looking for additional companies who also need audit tools in these locations and are interested in sharing development costs. If you are interested in Audit Protocols for any of the following (or other) locations, please contact us at info@enhesa.com.

Armenia	Georgia	Panama
Bolivia	Guatemala	Serbia
Botswana	Jordan	Seychelles
Cameroon	Lithuania	Tanzania
Chad	Luxembourg	Uganda
China - Zhongshan city	Macedonia	United Arab Emirates -Ras Al-Khaymah
Ecuador	Mauritius	United Arab Emirates -Sharjah
Ethiopia	Mexico - Sonora	Yemen
Equatorial Guinea	Mozambique	Zimbabwe
Fiji	Northern Ireland	
Gabon	Oman	

enforcement corner

As EHS regulatory activity continues to grow, enforcement activity continues around the world. This month, Enhesa would like to first showcase the US OSHA's top ten most frequently cited violations of the 2011 fiscal year. This report is a useful guidance to EHS Managers around the globe for reviewing hazard areas and preventing accidents or injuries as we turn into the new year.

As seen on OSHA's website, here are the most frequently cited standards following Federal OSHA worksite inspections (each category is also a clickable link here):

- 1.1926.451 – Scaffolding
- 2.1926.501 – Fall Protection
- 3.1910.1200 – Hazard Communication
- 4.1910.134 – Respiratory Protection
- 5.1910.147 – Lockout/Tagout
- 6.1910.305 – Electrical, Wiring Methods
- 7.1910.178 – Powered Industrial Trucks
- 8.1926.1053 – Ladders



Source: www.osha.gov

9.1910.303 – Electrical, General Requirements

10.1910.212 – Machine Guarding

In other global news, here are a few recent enforcement activities Enhesa has monitored:

Recently in **Thailand**, significant amounts of environmental-related cases arose from neglect of government authorities in performing their duties under the environmental protection laws. Many have been brought to administrative courts nationwide. According to the Supreme Administrative Court President Hassawut Withiwiriyakul, 4,634 cases related to environmental disputes have been filed with administrative courts nationwide. Of these, 3,657 cases have been finalized.

During the month of November 2011 in **Brazil**, IBAMA reported that it fined a large oil and gas company its maximum oil law amount (approximately US\$ 28 million) for an oil spill at Campo de Frade, in the Campos Basin, in the State of Rio de Janeiro. Additional fines could be imposed by both the federal government, and the State of Rio de Janeiro government for environmental infractions. All sectors should gather that the fines and potential additional fines demonstrate Brazil's increasing ability and dedication to enforcing its laws.

During October 2011 in the **United States**, the Department of Labor OSHA fined a New Hampshire gun powder manufacturer with 54 workplace safety and health citations totaling US\$1.2 million after a deadly explosion that killed two workers. The company had experienced a prior incident ending in a serious injury, and still refused to implement proper safety measures. Failure to train workers, to create safe locations while machinery was operating, and to separate small arms ammunition from flammable liquids were just a few of the other workplace citations received.

- Contributors: *Ellen Zhang, Daniel Sotelino, Thierry Dumortier*

webinars



The Enhesa International Webinar Program focuses on topics important to EHS professionals interested in global compliance assurance. Our Webinars are designed to provide you with information that you can use to enhance your own knowledge and your company's environmental programs.

Upcoming Webinars

In the beginning of 2012, Enhesa's no-charge webinar program will explore the following topics:

- Six Steps to Compliance: Addressing Global EHS Challenges (January 2012)
- Managing Global EHS Compliance for Offices and Warehouses (February 2012)
- How are EHS Laws Enforced Globally on Operations? (March 2012)

Previous Webinars

- Endocrine Disrupting Chemicals (January 2010)
- Latin America EHS Update (February 2010)
- International Water Use Policies Regulatory Issues and Trends (March 2010)
- Sustainability Reporting—It's the law (May 2010)
- Overview of GHS Legislation Around the World (June 2010)
- EU vs. US: An EHS regulatory comparison (September 2010)
- African EHS Outlook (24 & 29 March, 2011)
- International Audit Programs: Sharing Enhesa's Tools & Best Practices (April 2011)
- Permitting - how to secure the right to operate? (May 2011)
- EHS Audit Solutions to US State and Federal Variances (June 2011)
- Will Carbon Labeling of Products Revolutionize the Market? (August 2011)
- Six Steps to Compliance—Addressing Global EHS Challenges (October 2011)
- Asia-Pacific EHS Outlook (10 & 15 November 2011)
- Six Steps to Compliance: Addressing Global EHS Challenges (December 2011)

If you would like to attend an Enhesa webinar, or would like information about previous webinars, please email us at webinars@enhesa.com.

upcoming events

Auditing Roundtable Winter National Meeting

8-11 January 2012, Phoenix, Arizona, USA

- ◆ Enhesa Manager of US Operations, Jack Welsch, and Meghan White, EHS Project Manager, will be exhibiting and presenting at the event. For further information, please visit www.auditing-roundtable.org.

IOSH

6-7 March 2012, Manchester, UK

- ◆ Enhesa' representatives Tjeerd Hendel-Blackford, Project and Business Development Manager for the UK, and Thelma Onyeka, EHS Regulatory Consultant, will be exhibiting and presenting at the event. For further information, please visit www.iosh.co.uk.

Offshore Technology Conference (OTC)

30 April—3 May 2012, Houston, TX, USA

- ◆ The Offshore Technology Conference (OTC) is the world's foremost event for the development of offshore resources in the fields of drilling, exploration, production, and environmental protection. Enhesa' will be exhibiting at the event. For further information, please visit <http://www.otcnet.org>.

Enhesa — global EHS compliance assurance support to industry

Enhesa is the leading environmental, health and safety consulting firm, providing EHS regulatory compliance assurance support to businesses worldwide. Over the past 20 years, Enhesa has developed a set of compliance assurance products and services specifically for multinational companies. With headquarters in Brussels and Washington DC, Enhesa's team of highly trained and experienced, multilingual consultants has the extensive expertise to keep companies in compliance with and ahead of the latest regulatory and policy issues in over 150 countries and jurisdictions around the globe.

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