

# International Health and Safety Standard awarded to Enva

Enva Ireland Ltd has been awarded the OHSAS 18001 accreditation for occupational health and safety management systems, encompassing each of our four sites in the Republic of Ireland.

At the presentation of the OHSAS 18001 certificate, Gareth Kelly, Chief Operating Officer of Enva noted: "An underlying commitment to the safety and welfare of our employees and the external environment forms a critical component of the Enva identity and a guiding principle by which we operate. In addition to the ISO 14001 and ISO 9001 standards already achieved by Enva, this additional international standard accreditation further recognises the

commitment of our management and staff across the various Enva sites who continually work extremely hard to ensure that the safety and health of fellow employees and the public are of the highest standard".

Enva has been operating a comprehensive and effective safety management system across all its sites, and currently has eight full-time employees who are dedicated to Health, Safety and Environmental management. Enva Northern Ireland Ltd has been ISO 14001 and OHSAS 18001 accredited since May 2006.

Gareth Kelly, Enva Chief Operating Officer, David Burke, HSE & Compliance Manager at Enva Shannon, Anne Phelan, HSE & Compliance Manager at Enva Portlaoise, and Terri Murphy, SGS Ireland Management Systems Auditor, at the presentation of the OHSAS 18001 certification to Enva.



# Enva Installs First Cooking Oil Containment System

Enva Foodservice Solutions has just completed the installation of its first cooking oil containment system at the prestigious Clontarf Castle Hotel in Dublin.

Made by Frontline International Inc, the cooking oil containment system allows new and used cooking oil to be stored in separate bulk tanks adjacent to the kitchen. There are a number of set-up options that enable the oil to be pumped directly to and from the kitchen fryers, which can greatly assist in making restaurants and catering facilities safer, more environmentally friendly, and more cost-efficient.

Over the coming months, Enva plan to install a number of these systems across the hotel, restaurant, fast food, public house, retail and commercial sectors, as well as targeting industrial premises with large canteen areas.



Tom Colman, Purchasing Manager - Clontarf Castle Hotel, Jason Hayde, Head Chef - Clontarf Castle Hotel, and Carey Baxter, Manager - Enva Foodservice Solutions pictured outside Clontarf Castle with one of Enva's bulk cooking oil delivery vehicles.

# New All-in-One Drain Survey & Mapping Service

Following on from a heavy investment in technology and equipment over the past few months, our Underground Services division is now offering a new 'all in one' survey and mapping service, whereby invert and cover levels of manholes, along with provision of maps, which are normally charged for as an additional cost, are included within our normal survey price.

In conjunction with the CCTV Camera equipment, we have added new sonar drain tracing equipment, which allows us to pinpoint from above ground the exact location of hidden manholes, unknown drain pipes, damaged or fractured pipes, unmoveable blockages or simply create a site plan of the drainage system, when one is not already available to you.

## Further Information

For more information on Enva, check out our new websites – [www.enva.com](http://www.enva.com); [www.enva.ie](http://www.enva.ie); [www.envani.com](http://www.envani.com); and [www.enva.co.uk](http://www.enva.co.uk). These sites are designed to convey the depth and range of our capabilities and expertise, our professional approach to waste management, and how our divisional structures ensure that we have the appropriate resources and expertise to ensure that we continually meet the specific needs of our diverse customer base.

Recent developments include a download section for all brochures, waste licenses, waste collection permits, and accreditations, new Enva UK website, and a revamped Water Treatment website including the ability to download our full Water Treatment website.



# Company Update

November 2007



## Welcome

I would like to welcome you to this company update for Enva, which we hope will provide you with more detail regarding some recent developments in Enva, our divisional structure, and the extent of our product and service offering.

Since the foundation of the original Atlas operation in 1972, we have greatly expanded our capabilities, both organically and through acquisition, across a wide variety of waste management and environmental issues.

We have placed a considerable focus in establishing processes to ensure that we keep resources in use as long as possible, and have built our business on the foundation that we are not just waste removal and logistics providers but solutions providers, backed up by significant investment in both infrastructure and the development of highly qualified, and professional employees who understand that no two customers or applications are the same.

For example, at our Shannon facility, precious metals are recovered from a variety of waste streams. Some recent technologies developed provide for the recovery of wastes, such as waste sulphuric acid into gypsum, while we have also developed a process for the recovery of ammonium, a chemical which is used in a wide range of manufacturing including electronics. At our Cork facility, a unique water recycling application using electro-coagulation technology has been recently developed, which can reduce industrial water consumption by as much as 90% in applicable processes.

In Portlaoise, contaminated soils are remediated and fuel is recovered from

waste oil, while other waste streams such as batteries, fluorescent tubes and oil filters, to name a few, are also processed for recovery. In Northern Ireland, we now operate a solvent recycling facility, which provides a clean, safe and cost-effective alternative to the single use and disposal of solvents. In addition to the environmental benefits, the recycled solvent can be used by our customers for paint thinning or equipment cleaning, which also significantly reduces their cost when compared to buying higher-priced new solvent.

Not only does such an approach help protect the environment by minimising transportation of waste abroad, slowing down resource depletion, and ensuring that landfill is reduced, it can often allow us bring significant financial savings for our customers. Over the coming months and years, we plan to continue our investment in research and development, in order to expand our capability for customised waste treatment, disposal & recovery solutions for our customers.

Finally, I would like to mention the attitude and commitment shown by everyone in our company in ensuring that we consistently deliver a top-class level of service to all our customers. Throughout Enva, there is a pride and spirit that can only be the envy of most companies, and it is the continuation of this pride and spirit that will supply the platform for ensuring that we continue to provide our customers with the highest quality of service, technical expertise and efficiency.

Yours sincerely,  
**Declan Ryan**  
Managing Director



## Enva The Story So Far

**1972** Atlas Waste Oil was set up to collect waste oil primarily from the automotive industry.

**1978** The existing waste facility, located in Portlaoise, was established.

**1987** The company was purchased by DCC plc.

**1994** DCC acquired Capital Oils, based in Drumanness, Northern Ireland.

**2000** Our facility in Portlaoise was awarded the first and only licence to date for off-site treatment of hydrocarbon contaminated soil by the EPA.

**2001** Cork based water and effluent treatment firm Envirotech, was brought into the fold.

**2003** A further acquisition brought Shannon-based Shannon Environmental Services on board.

**2006** We started operating a licensed facility in Dublin.

A decision was taken to brand all businesses under one new name and logo – Enva.

Solvent Recycling Facility opened in Carryduff, Co. Down

**2007** New Underground Services Division for Enva

New Cork facility opened  
New Micro-Laboratory opened

### A2 Poster Inside!

To see the full range of services and products offered by Enva, open out this newsletter to reveal the poster on the reverse side

# Construction of First Electro-coagulation Plant

We have recently constructed our first electro-coagulation plant at the Waterford Crystal facility in Waterford. Conceptualised, designed and constructed by Enva, the plant is unique to Ireland and the UK and offers the potential to reduce industrial water consumption by as much as 90%.

At the core of this type of plant is an electro-coagulation process. This technique brings about the coagulation of suspended and dissolved particles in water by applying an electric field, which binds these particles together forming larger particles that will settle out of the water. After a complex series of chemical processes to coagulate (change into a thickened mass) and flocculate (separate a solid from a solution) suspended solids, the addition of polyelectrolyte completes the flocculation and leads to separation of clear water and flocculated aluminium hydroxide and suspended solids.

Commenting on the commissioning of this plant, Finbarr Pyne, Technical Development Director at Enva added: "Not only does this system clearly demonstrate the fruits of our approach towards continually investing in research and development, it also reinforces the depth of expertise at our disposal, and which is required to deliver innovative world-class environmental solutions towards minimising and reducing the rate of resource depletion by society. A wide range of skills were required for this project including electrochemistry, electrochemical engineering, chemistry, plastics engineering, mechanical

engineering, electrical engineering, computer software engineering".

Initial indications suggest that this system – which is being patented by Enva – has the potential to offer significant environmental and cost benefits for other sectors such as steam cleaning, pressure washing, textile manufacturing, metal plating, meat and poultry processing, commercial laundry, mining operations and municipal sewage system plants. In all cases, Enva can provide preliminary assessment of feasibility of treatment process and costs, along with laboratory testing of effluent at its Cork facility.

# New Record for Field Services

The Field Services division of Enva has continued to grow, with this division currently undertaking the cleaning of a 57,000 tonne heavy fuel oil tank for Aughinish Alumina - the largest tank to be cleaned in the history of this division.

Since the formation of this division in 1988, we have consistently invested in resources, equipment and training across a range of services, such as tank cleaning, interceptor and bund wall cleaning, tank decommissioning, and maintenance contracts, while also providing 24 hour seven day a week response services, designed to minimise the environmental impact of oil related accidents or incidents.



# Continued Growth for Soil Treatment



Enva Soil Treatment was recently awarded the bio-remediation of soil from decommissioning works for Chevron Texaco, with approximately 10,000 tonnes currently under treatment. Last month, we also successfully completed a major soil remediation project in Cork City for Rohcon, with the remediated site to be developed into the new Cork County Library building.

We are licensed by the EPA to accept soils contaminated with a range of pollutants, such as heavy metals, diesel range organics, petrol range organics, mineral oils, and other chemical contaminants.

# New Directors Appointed

Enva have recently brought about a major strengthening of its senior management team, with the appointment of four new directors. The new directors are Finbarr Pyne (Technical Development Director), John MacNamara (Finance Director), Anne Fitzpatrick (Divisional Director) and Anthony Mulhall (Divisional Director). They will join the

existing directors of Declan Ryan (Managing), Gareth Kelly (Chief Operating Officer), Mattie Keogh (Engineering), Tommy Breen (DCC plc), and Thomas Davy (DCC plc). Commenting on these appointments, Declan Ryan noted: "Possessing a collective experience of over 70 years in this industry and offering extensive experience, skill and

expertise, these well-earned appointments mark another important step forward in the continued and well-managed development of Enva, while maintaining our culture of teamwork, technical expertise and focus on quality of service to clients".

# New Micro-Laboratory Opened



In October, a new micro-biological laboratory was added to our Cork facility.

Located separately from our water and effluent laboratory as well as employing three dedicated full-time employees, this laboratory carries ISO 17025 accreditation from the Irish National Accreditation Board (INAB).

This new service for Enva will compliment much of our existing areas of business, and allows us to undertake micro-biological testing and examination of all food types and animal feeds for all the major pathogenic, indicator and spoilage micro-organisms, to cover due diligence, food safety, hygiene checks, and complaints.

## Enva Cork Facility

In April of this year, we moved our Cork operation to a new €4million purpose built 20,000 sq ft water treatment aid production and waste transfer station facility in Ringaskiddy, while also increasing our research and development staff in Cork to 10 full-time employees. Enva's R&D department in Cork is backed up by a team of dedicated

Water Treatment on-site field specialists, located throughout the country.

The Cork facility will also serve smaller producers of hazardous wastes, such as garages and photo shops, allowing small waste collections to be stored temporarily until transferred to Enva's larger processing facilities. Enva plans to significantly expand these services through its Cork facility over the coming year.



# Westmeath UV Contract for Enva

Enva have been awarded the contract to supply, install and commission UV disinfection systems throughout the Westmeath water supply system.

This will be a county-wide solution and will ensure the supply of fully disinfected water throughout the county. We are offering full maintenance contracts as well as full operator training with all units.

In addition to providing a highly effective disinfection solution for drinking water, the extensive range and flexibility of bespoke UV applications offered by Enva Water Treatment means that water and aqueous solutions can be treated in the required volumes to meet the demands of a variety of sectors, such as swimming pools, food and beverage, building services, municipal, and pharmaceutical.



# Recolight Contract for Enva Northern Ireland

Enva has been awarded a Recolight Compliance Scheme lamp recycling contract for Northern Ireland, which has the potential to see in excess of 2 million gas discharge lamps collected and recycled by Enva.

Recolight was established by the UK Lamp Industry in 2005, primarily for the purpose of operating a WEEE (Waste Electrical & Electronic Equipment) Compliance Scheme on behalf of lamp producers in the UK. Current legislation stipulates all "producers" (manufacturers, importers, suppliers etc) provide for end of life gas discharge lamps to be collected, treated and recycled appropriately.

Under the scheme, Recolight will meet the producer's obligations to ensure that adequate processes and finance are available to recycle the product at the end of its life. This allows businesses to focus on running their business operations safe in the knowledge that their obligations are being met in a cost effective and environmentally sound manner.



Barry Johnson, General Manager / Director, Enva Northern Ireland Ltd & Krissy McCaul, Recolight announcing the deal

# WE BELIEVE THE MOST INNOVATIVE WASTE MANAGEMENT SOLUTIONS TAKE DEDICATION



Enva Ireland Ltd



Enva Northern Ireland Ltd



Enva UK Ltd



### SERVICES

- Waste Oil
- Mixed Fuels
- Non-Liquid Oily Waste
- Used Oil Filters
- Lead Acid Batteries
- Alkaline & Ni-cad Batteries
- Brake Fluids
- Coolants / Anti-freeze
- Paint Related Waste
- Fluorescent Tubes

### PRODUCTS

- Waste Oil Tanks
- Hazmat Stations
- Polysafe Pallets
- IBC Stations
- Fire Resistant Drums
- Fire Resistant Cabinets
- Spill Kits

**Main Division Base:** PORTLAOISE  
Clonminam Industrial Estate,  
Portlaoise, Co. Laois  
Tel: 057 8678600 - Call-save: 1850 504 504  
Fax: 057 8678699  
Email: industrialandauto@enva.ie



### SERVICES

- Tank Cleaning
- Interceptor Cleaning
- Bund Wall Cleaning
- Tank Decommissioning

### EMERGENCY RESPONSE

- Tanker Rollovers / Spills
- Spills into Rivers / Streams
- Bund or Tank Ruptures
- Rapid Response & Initial Advice
- Containment and Assessment of Situation on-site
- Product Recovery
- Specialist Clean-up
- Licensed Disposal
- Specialist Fleet, Equipment & Personnel
- Foreshore Remediation
- On-shore Support for Marine Incidents
- Risk Assessments

**Main Division Base:** PORTLAOISE  
Clonminam Industrial Estate,  
Portlaoise, Co. Laois  
Tel: 057 8678600 - Call-save: 1850 504 504  
Fax: 057 8678699  
Email: fieldservices@enva.ie



### PRODUCTS

- Flocculants
- Antifoams
- Phosphorus & Nitrogen Removal
- Metal Pre-treatment & Removal
- Nutrifeed
- Nutrifeed M
- Odour Control
- Filtrafloc
- Activated Carbon
- Antibulk
- Bacteria & Micro-organisms
- Biomass Builder
- Nitroseed
- Olebac

### WATER & EFFLUENT TESTING

- Water & Wastewater Analysis
- Flow & Load Surveys
- Treatment Option Evaluation
- Polytox & Nitrotox
- Pilot Plant Studies
- Test Kits & Monitoring

### MICRO-BIOLOGICAL TESTING

- Testing for Spoilage & Micro-organisms
- Pathogen Analysis
- Drinking Water Analysis
- Shelf Life Analysis
- Complaint Food Sample Analysis
- Hygiene Monitoring
- Air Quality
- Nutritional Labelling

### EQUIPMENT & ENGINEERING

- UV Technology
- Electro Coagulation
- Flocculation, Coagulation & Precipitation Systems
- Sludge Dewatering
- Plant Operation Expertise
- Sand, Carbon & Ion Exchange Filtration
- Pilot Plants
- Storage & Dosing Systems
- Custom Designed Effluent Treatment Plants
- Composite Samplers & In-line Monitoring

### Main Division Base: CORK

Raffeen Industrial Estate,  
Ringaskiddy, Co. Cork  
Tel: 021 4387200 - Fax: 021 4387299  
Email: watertreatment@enva.ie



### SERVICES

- Physico-Chemical Treatment
- Biological Treatment
- IBC Drum Washing & Shredding
- Electro-chemical Treatment
- Metal Treatment & Recovery
- Acid / Alkali Neutralisation
- Organic Solvent Bulking / Blending
- Phosphorus Removal
- Personnel for Special Treatment & Segregation
- Chemical Emergency & Spill Response

**Main Division Base:** SHANNON  
Smithstown Industrial Estate,  
Shannon, Co. Clare  
Tel: 061 707400 - Fax: 061 707401  
Email: hazardouswaste@enva.ie



### SERVICES

- Used Cooking Oil Collection
- Used Cooking Fats Collection

### PRODUCTS

- Allura Vegetable Oil
- Allura Beef Dripping
- Cooking Oil Containment Systems
- Cooking Oil Caddies
- Cooking Oil Filtration Systems
- Cleaning Chemicals
- Fryer Cleaning Powders
- Fryer Cleaning Liquids

### Main Division Base: PORTLAOISE

Clonminam Industrial Estate,  
Portlaoise, Co. Laois  
Tel: 057 8678600 - Call-save: 1850 504 504  
Fax: 057 8678699  
Email: foodservice@enva.ie



### SERVICES

- Waste Oil Collection
- Waste Oil Processing



### SERVICES

- Used Cooking Oil Collection
- Used Cooking Fats Collection

### PRODUCTS

- Allura Vegetable Oil
- Allura Beef Dripping
- Cooking Oil Containment Systems
- Cooking Oil Caddies
- Cooking Oil Filtration Systems
- Cleaning Chemicals
- Fryer Cleaning Powders
- Fryer Cleaning Liquids



### SERVICES

- Waste Oil Filters
- Brake Fluid / Coolant / Antifreeze
- Non-Liquid Oily Waste – Oily Rags/ Absorbents / PPE, etc
- Lead Acid Batteries



### SERVICES

- Solvent Recovery & Distillation
- Fluorescent Tubes
- Paint Thinners & Varnishes
- Pesticides
- Aerosols
- Household Batteries

### Division Bases: DRUMANESS & CARRYDUFF

The Old Mill, Drumaness, Ballynahinch, Co. Down BT8 11LS  
Unit 11, 11 Comber Road, Carryduff, Co. Down BT8 8AN  
Tel: 028 975 61574 - Fax: 028 975 61576 - Email: sales@envani.com



www.envani.com



### SERVICES

- Forecourt Maintenance
- Interceptor & Vehicle Wash Silt Trap Cleaning
- 24 Hour Emergency Oil Spill Response
- Industrial Tank Cleaning
- Drain Cleaning & Jetting
- Drain CCTV Inspections & Reports
- Super Vacator Units
- High Pressure Concrete Cutting
- Spray Booth Sump Cleaning
- Bitumen Sump Cleaning
- Grease Trap Cleaning
- Petrol Tank De-sludging
- Fuel & Product Transfers
- Bulk Hazardous Liquid Removal & Disposal
- Bund Wall Maintenance / Cleaning
- Domestic Tank Emptying
- Gas Free Testing & Certification
- Fill Pints & Drip Tray
- Maintenance

### EMERGENCY RESPONSE

- Rapid Response & Initial Advice
- Containment and Assessment of Situation on-site
- Product Recovery
- Specialist Clean-up
- Licensed Disposal
- Specialist Fleet, Equipment & Personnel
- Foreshore Remediation
- On-shore Support for Marine Incidents
- Risk Assessments

### PRODUCTS

- Bunded Tanks 300 & 600 gallon
- 240 Litre Spill Kits
- 40 Litre Spill Kits
- Oil Absorbent Booms
- Oil Absorbent Pads
- 'Slick Stopper' Emergency Response Drain Covers
- 2 Drum / 4 Drum Spill Pallets
- Biological Oil Stain Removers
- Bio Tubes

### SERVICES

- Boiler Systems
- Cooling Systems
- Effluent Treatment
- Cleaning & Hygiene Services
- Outsourcing
- Treatment Evaluation
- Flow & Load Surveys
- Test Kits & Monitoring
- Analysis

### EQUIPMENT

- Storage & Dosing Systems
- Plant
- Custom Designed Equipment
- Samplers & In-line Monitoring
- Fully Financed Options

### PRODUCTS

- Cooling Water
- Boiler Water
- Effluent (and In-fluent)
- Metal Precipitants
- Nutrients
- Odour Control
- Biological Aids

### Address:

The Heath Business & Technical Park,  
Runcorn, Cheshire, WA7 4QX  
Tel: 01928 513355 - Fax: 01928 518040  
Email: info@enva.co.uk



a DCC company