Innovation in Ireland’s FOG Program

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Wastewater Engineer,
Dublin City Council

Dublin FOG Program Manager
2008 - 2012

FOG Consultant @ EES –
FOG Licensing and Inspection Services

Author, Journal of Environmental Management:
International evolution of fat, oil and grease (FOG) waste management - A review
Fat Oil & Grease
By-product of food preparation and wash up
Dublin – A booming hospitality industry
FOG a factor in 80% of sewer blockages

Photograph Source: www.theguardian.com/cities
Photograph By: Adrian Dennis/AFP/Getty Images
Costing the City

$1.5m per year
(Collection system only)
Dublin, St. Patricks Day 2010:
FOG Blockage results in major sewage spill to River Liffey,
The Jewel in Dublin’s crown
Dublin’s FOG Source Control Program
Traditional FOG Program Structure

City Authority

Restaurant

Grease Hauler

Regulate
Inspect
Service Transaction
Manifest

Regulated Industry
The Dublin FOG Program has achieved a 95%+ reduction in FOG blockages and related SSOs.
Resource Intensive

Paper-Intensive

Time Consuming

Expensive
150,000 Pieces of paper

Such as inspection reports, sampling reports, pumper manifests, invoicing, permits applications, plan reviews
Convenient
Cost Effective
Guaranteed Compliance
Eliminates Paperwork
Improves Service Quality

City Authority
- Smart Regulation
- Better use of Resources
- Data Management
- Eliminates Paperwork
- Improves Service Quality
- Saves Time
- Business Relationships

Food Service Business
- Convenient
- Cost Effective
- Guaranteed Compliance
- Eliminates Paperwork
- Improves Service Quality

Grease Pumper
- Consolidated Marketplace
- Route Optimization
- Simple Interface
- Automated Reporting
- Guaranteed Payment

Smart Regulation
Better use of Resources
Data Management
Eliminates Paperwork
Improves Service Quality
Saves Time
Business Relationships

Consolidated Marketplace
Route Optimization
Simple Interface
Automated Reporting
Guaranteed Payment
Compliant Grease Trap Services

Only bookings with SwiftComply are automatically registered with the Irish Water Inspections Team

Enter Promo Code

Book Now

Enter promo code or contact us to get one
May 2017
Mo Tu We Th Fr Sa Su
24 25 26 27 28 29 30
1 2 3 4 5 6 7
8 9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30 31 1 2 3 4

In case trap serviced?

Date

Business Name
Restaurant

Address Line 1
123 fake street

Address Line 2
Dublin 2

Country
Ireland

City
Dublin

Zipcode
001

Telephone
+35387190513

In case we need to contact you

Book Your Service Now
Your service has been booked!

Date  
10/05/2017

Time Slot  
Early

Telephone Number  
+353871960513

Address  
123 fake street Dublin 2
Dublin, Ireland

Need help? Call us: 555 5555

Join SwiftComply
Manage your appointments  Create an Account
<table>
<thead>
<tr>
<th>Date</th>
<th>Time Slot</th>
<th>Address</th>
<th>Status</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 10</td>
<td>Early</td>
<td>123 fake street Dublin 2 Dublin, Ireland</td>
<td>Canceled</td>
<td>View Invoice</td>
</tr>
<tr>
<td>May 4</td>
<td>Late</td>
<td>123 Portland Street Oregon Dublin, Ireland</td>
<td>Booked</td>
<td></td>
</tr>
<tr>
<td>Apr 28</td>
<td>Late</td>
<td>123 fake street Dublin 2 Dublin, Ireland</td>
<td>Booked</td>
<td></td>
</tr>
</tbody>
</table>
# Grease Trap Job Report

**Automated Manifest**

<table>
<thead>
<tr>
<th>Customer Details</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Company Name:</td>
<td>Harolds Cross Stadium</td>
</tr>
<tr>
<td>Company Address:</td>
<td>Site Contact &amp; Phone No. Philip 0868236156</td>
</tr>
<tr>
<td>Site Address:</td>
<td>Park View Kenilworth Drive Harolds Cross Dublin</td>
</tr>
<tr>
<td>Location of Grease Trap (GPS)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Job Details</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Job Name:</td>
<td>92-38322 Harolds Cross Stadium Grease Trap Maintenance 2015</td>
</tr>
<tr>
<td>Job ID:</td>
<td>1284205</td>
</tr>
<tr>
<td>Trap Empty &amp; Cleared Down?:</td>
<td>Yes</td>
</tr>
<tr>
<td>McBrean Environmental Vehicles on site:</td>
<td>High Vol Jet Vac 151 CN 1271,</td>
</tr>
<tr>
<td>McBrean Environmental Employees on site:</td>
<td>Conor Reilly, Other,</td>
</tr>
<tr>
<td>Job Start Time:</td>
<td>06 Oct 2015, 08:00</td>
</tr>
<tr>
<td>Job End Time:</td>
<td>06 Oct 2015, 09:34</td>
</tr>
<tr>
<td>Photo before works:</td>
<td></td>
</tr>
<tr>
<td>Photo after works:</td>
<td></td>
</tr>
</tbody>
</table>

| Work fully complete this visit?: | Yes |
| Recommendation to Client:       | none |
| If not, reason work incomplete: | |

<table>
<thead>
<tr>
<th>Waste Details</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity Removed:</td>
<td>300 litres</td>
</tr>
<tr>
<td>EWC Code:</td>
<td>20.01.25 Grease Trap Waste</td>
</tr>
<tr>
<td>Waste Destination:</td>
<td>Yard</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driver Signature:</th>
<th>Customer Signature:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conor</td>
<td>N0</td>
</tr>
</tbody>
</table>
40% Improved Compliance

57% Inspector Efficiency

62.5% Reduction in SSO’s
Its time to bring FOG programs into the digital age

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