



WORKS DONE RELATED TO MAJOR INDUSTRIAL ACCIDENTS in TURKEY

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**DIVISION ON CONTROL AND INSPECTION OF
THE MAJOR INDUSTRIAL ACCIDENTS**

ECRAN

18/11/2015

Sarajevo



TRANSPPOSITION OF SEVESO DIRECTIVES INTO TURKISH LEGISLATION



➤ «By-Law on Control of Major Industrial Accidents» (official gazette date: 18/08/2010 number: 27676)

➤ «By-Law on Preventing and Mitigating the Effects of Major Industrial Accidents» (official gazette date: 31/12/2013 number: 28867) which is compatible with the Directive 96/82/EC (Seveso II Directive)

➤ Revised edition is planned to be published by the end of 2015 which will be transposition of Seveso III Directive



TRANSPPOSITION OF SEVESO DIRECTIVES INTO TURKISH LEGISLATION



- The competent authorities are;



- The Ministry of Environment and Urbanization (MoEU)



- The Ministry of Labour and Social Security (MoLSS)



- The Disaster and Emergency Management Presidency (AFAD)

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SECTORAL DISTRIBUTION OF SEVESO ESTABLISHMENTS



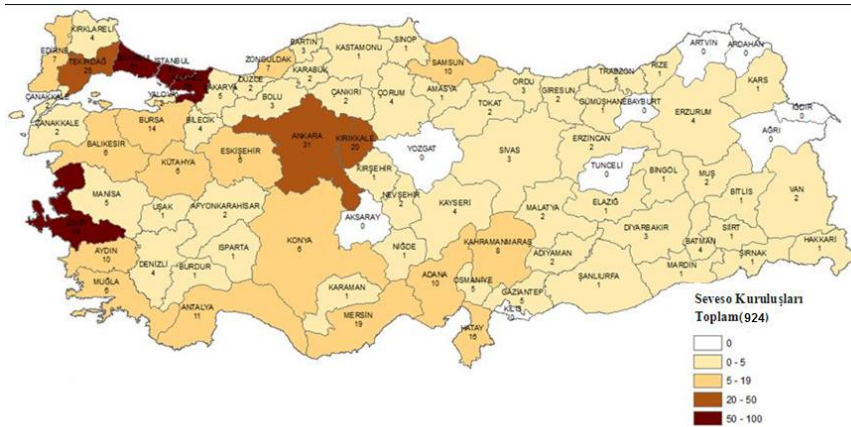
- Petrochemicals
 - Petrochemicals (oil refineries, storage and distribution) LPG production, bottling and bulk distribution, LPG storage, LNG storage and distribution
- Chemical Installations
 - Industrial chemicals (Ammonia, pharmaceuticals, fertilizers, pesticides etc.)
- Manufacturing sectors
 - Plastic, paper, rubber, textile, glass, explosives, fireworks

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GEOGRAPHICAL DISTRIBUTION OF SEVESO ESTABLISHMENTS



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HARMONIZATION STUDIES OF THE MINISTRY - PROJECTS

1. 2004 – 2006 “The Approximation of Seveso II in Turkey Project”
2. 2009 – 2012 “Capacity Building in the Field of Environment”
3. 2012 “Strengthening the Institutional Capacities of the Competent Authorities on Seveso II Inspections” project
4. 2012 –2014 “Technical Assistance on Increasing the Implementation Capacity of the Seveso II Directive”



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HARMONIZATION STUDIES OF THE MINISTRY - PROJECTS

Project: **Approximation of Seveso II Directive in Turkey**

❖ 2004 – 2006 A LIFE project

Outcomes:



- ✓ The draft By-Law on the Control of Major Industrial Accidents,
- ✓ Guidelines (Safety Reports and Emergency Action Planning, Notification, Public Information and Inspection)
- ✓ " Directive Specific Implementation Plan"
- ✓ Online «Seveso Notification System»

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SEVESO NOTIFICATION SYSTEM

T.C. Çevre ve Şehircilik Bakanlığı

Seveso Bildirim Sistemi Yönetim Paneli

Ana Sayfa
Güvenli Çıkış

Duyurular
Kuruluşlar
Sorgular

Detaylı Kuruluş Sorgu Sayfası

Kuruluş Adı
:

Kuruluş İl
:

ANKARA

Kıyı Tesisi
:

Bağlı Bulunduğu Yerel İdare
:

Seveso Kategorisi
:

☐ Kapsam Dışı
 ☒ Alt Seviyeli Kuruluş
 ☒ Üst Seviyeli Kuruluş

- The first responsibility of a Seveso establishment
- Since 2010 e-notification

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SEVESO NOTIFICATION SYSTEM

Kuruluş Sorumlulukları
Seveso Ana Sayfa
Kuruluş Bilgileri
Bildirim Yap
Dahili Acil Durum Planı Yükle
Güvenlik Raporu Yükle
Büyük Endüstriyel Kazaları Önleme Politikası (BEKÖP) Yükle
Tatbikat Sonuç Raporu Yükle
Kaza Bilgisi Gir
Duyurular
Yardım

Seveso Kuruluş Bilgileri

Kuruluş Adı : BEK.LTD.ŞTİ

Kuruluş Adresi : ESKİŞEHİR VOLU 8 KM. 15 numara

Kuruluş Telefon : 3122076579

Faaliyet Alanı : dnemee

Vergi No : 8150343652

Bağlı Bulunduğu Firma : T.C.ÇEVRE VE ORMAN BAK.ÇEV.YÖN.GEN.M İD.VE ML.İŞ.ŞB.M

Bildirimi Yapan : Mufide DEMIRURAL

Bildirim Dahilindeki Maddeler

Türkçe Adı	Ec No	Cas No	Miktar	Detay	Düzenle	Sil
Veri Yok						

Bildirime Tehlikeli Madde Ekle

Yeni Kayıt Ekle

Adlandırılmış Maddeler (Tablo 1)

Adlandırılmış Madde Tanımı	Miktar
Veri Yok	

Adlandırılmamış Maddeler (Tablo 2)

Tehlikeli Madde Sınıfı	Miktar
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SEVESO NOTIFICATION SYSTEM

Sınıflandırma Bilgileri

Sınıflandırma	Açıklama
T	Toksik
R23	Solunması halinde toksiktir.
Xi	Tahriş edici
R36/37/38	Gözleri, solunum sistemini ve cildi tahriş edicidir.
R50	Sucul organizmalar için çok toksiktir.



Risk Bilgileri

Risk İbares	Açıklama
T	Toksik
R23	Solunması halinde toksiktir.
Xi	Tahriş edici
R36/37/38	Gözleri, solunum sistemini ve cildi tahriş edicidir.
R50	Sucul organizmalar için çok toksiktir.

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SEVESO NOTIFICATION SYSTEM

Etiketleme Bilgileri

Sembol	Açıklama
T	Toksik
N	Çevre için tehlikeli
R23	Solunması halinde toksiktir.
R36/37/38	Gözleri, solunum sistemini ve cildi tahriş edicidir.
R50	Sucul organizmalar için çok toksiktir.
S1/2	Kilit altında ve çocukların ulaşamayacağı bir yerde muhafaza edin.
S9	Kabı çok iyi havalandırılan ortamda muhafaza edin.
S45	Kaza halinde veya kendinizi iyi hissetmiyorsanız hemen bir doktor başvurun (mümkünse etiketi gösterin).
S61	Çevreye salınmasından kaçının. Özel kullanım talimatına/Güvenlik Bilgi Formuna başvurun.

Etiketleme Risk Bilgileri

Risk İbares	Açıklama
T	Toksik
N	Çevre için tehlikeli
R23	Solunması halinde toksiktir.
R36/37/38	Gözleri, solunum sistemini ve cildi tahriş edicidir.
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S61	Çevreye salınmasından kaçının. Özel kullanım talimatına/Güvenlik Bilgi Formuna başvurun.

Güvenlik Bilgileri

Güvenlik İbares	Açıklama
-	-

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[Sorgu Listesine Dön](#) [Bildirim Sayfasına Dön](#) [Devam Et >>](#)

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SEVESO NOTIFICATION SYSTEM

Seveso Kuruluş Bilgileri

Kuruluş Adı	: BEK.LTD.ŞTİ
Kuruluş Adresi	: ESKİŞEHİR YOLU 8 KM. 15 numara
İl/İlçe	: ANKARA/YENİMAHALLE
Kuruluş Yetkilisi	: Müfide DEMİRURAL
Bağlı Olduğu Kuruluş	: T.C.ÇEVRE VE ORMAN BAK.ÇEV.YÖN.GEN.M İD.VE ML.İŞ.ŞB.M
Telefon	: 0 312 267 00 00
Email	: sevesobildirim@cob.gov.tr
Faks	: 3122076535
Web Adresi	:
Vergi Numarası	: 8150343652
Sanayi Tipi	: Kağıt üretimi
Faaliyet Alanı	: dneme
Bağlı Bulunduğu Belediye	: Belediye mücavir alanında değildir
Bağlı Bulunduğu Organize Sanayi Bölgesi	: ASO İ. Detaylar >>
Kıyı Tesisi mi?	: Hayır
Çevre Bilgisi	: deneme
Kuruluş Konumu	: Koordinat Girilmemiş
Seveso Kategorisi	: ⚠ Alt seviye

Kuruluşun Sorumlulukları

Sorumluluk	Durum	Son Güncelleme Tarihi	Detaylar
Bildirim	<input checked="" type="checkbox"/>	15.09.2014 12:13:45	Detaylar
Dahili Acil Durum Planı	Muaf		Detaylar
BEKÖP	<input checked="" type="checkbox"/>		Detaylar
Güvenlik Raporu	Muaf		Detaylar
Tatbikat Sonuç Raporu	Muaf		Detaylar
Kaza Bilgisi	<input checked="" type="checkbox"/>	06.02.2014 11:54:25	Detaylar

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HARMONIZATION STUDIES OF THE MINISTRY - PROJECTS

❖ Project: Capacity Building in the Field of Environment

2009-2012

Outcomes:

- ✓ Regulatory Impact Assessment
- ✓ Trainings
- ✓ Study visit to Netherlands



AB Seveso II Direktifi (96/82/EC)
Düzenleyici Etki Analizi



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HARMONIZATION STUDIES OF THE MINISTRY - PROJECTS

Project: “Strengthening the institutional Capacities of the Competent Authorities on Seveso II Inspections”

2012

G2G with Netherlands

- ❖ 2 pilot inspection
 - ❖ Netherlands
 - ❖ Kocaeli



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HARMONIZATION STUDIES OF THE MINISTRY - PROJECTS

- ❖ **Project:** **TECHNICAL ASSISTANCE ON INCREASING THE IMPLEMENTATION CAPACITY OF THE SEVESO II DIRECTIVE**
- ❖ **Proposed to 2009 IPA Component I**
- ❖ **Duration:** 2 years (16/11/2012 – 17/11/2014)
- ❖ **Purpose:** to strengthen the administrative and institutional capacity of Turkish central and local bodies
- ❖ **Budget:** 3,000,000€ (10% is National contribution)
- ❖ **Target Group:** MoEU, MoLSS, AFAD, Municipalities, SPAs, NGOs, representatives of industry

Activity	Description of activity
1	Trainings
2	Training of trainers
3	Pilot region study
4	Study tours
5	The maintenance and update of Seveso related software programs
6	Public information

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HARMONIZATION STUDIES OF THE MINISTRY – PROJECTS

TECHNICAL ASSISTANCE ON INCREASING THE IMPLEMENTATION CAPACITY OF THE SEVESO II DIRECTIVE

✓ **ACTIVITY 1: TRAININGS**

120 people from the beneficiaries had completed 8 training modules.

Title Module
Risk analysis and risk assessment techniques
Accident scenarios and risk assessment
Domino effects, preparing and testing internal and external emergency plans, public information
Individual and societal risk assessment (Quantitative Risk Assessment), GIS and LUP, public information
Safety Management Systems, Major Accidents Prevention Policy, Safety Information Systems
Training on Safety Report
Major industrial accidents investigation, reporting and inspections
Classification of Chemicals and Implementation of CLP Regulation for Seveso II Directive (GHS)

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HARMONIZATION STUDIES OF THE MINISTRY – PROJECTS

TECHNICAL ASSISTANCE ON INCREASING THE IMPLEMENTATION CAPACITY OF THE SEVESO II DIRECTIVE

✓ ACTIVITY 2: TRAINING OF TRAINERS

A core group of 40 were chosen out of 120 representatives participated in Activity 1 in order to raise future trainers

Training Modules

Training on risk assessment

Training on Safety Report

Training on Seveso inspection



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HARMONIZATION STUDIES OF THE MINISTRY – PROJECTS

TECHNICAL ASSISTANCE ON INCREASING THE IMPLEMENTATION CAPACITY OF THE SEVESO II DIRECTIVE

✓ ACTIVITY 3: PILOT REGION STUDY

A refinery had been chosen to observe Seveso implementations in the field.

- to improve on-site implementation capacity and identify possible deficiencies at pilot scale.
- Selected Units : «isomerisation» and «tank farm»



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HARMONIZATION STUDIES OF THE MINISTRY – PROJECTS

TECHNICAL ASSISTANCE ON INCREASING THE IMPLEMENTATION CAPACITY OF THE SEVESO II DIRECTIVE

✓ ACTIVITY 4: Study Tours

4 study visits to observe EU Seveso implementation.

2 study tours to Italy, one to France and one to Ireland.



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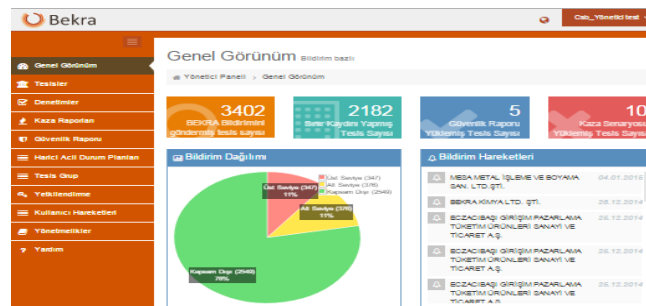
HARMONIZATION STUDIES OF THE MINISTRY – PROJECTS

TECHNICAL ASSISTANCE ON INCREASING THE IMPLEMENTATION CAPACITY OF THE SEVESO II DIRECTIVE

✓ ACTIVITY 5: The Maintenance and Update of Seveso Notification Software Programme

The existing software was developed to be user-friendly.

Also geographic information tools have been included in the software.



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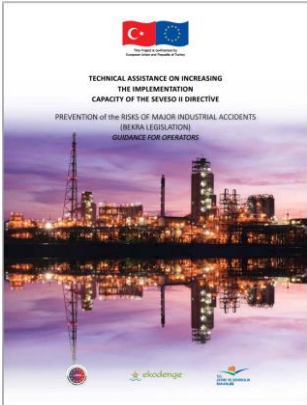


HARMONIZATION STUDIES OF THE MINISTRY – PROJECTS

TECHNICAL ASSISTANCE ON INCREASING THE IMPLEMENTATION CAPACITY OF THE SEVESO II DIRECTIVE

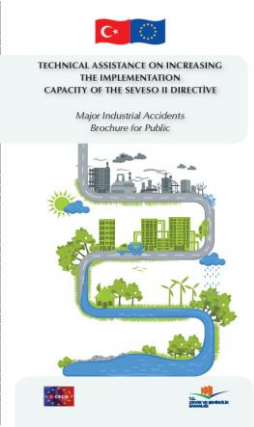
✓ **ACTIVITY 6: Public Information:**

to raise the awareness of public and industry about major industrial accidents through efficient public information and printed and visual media.

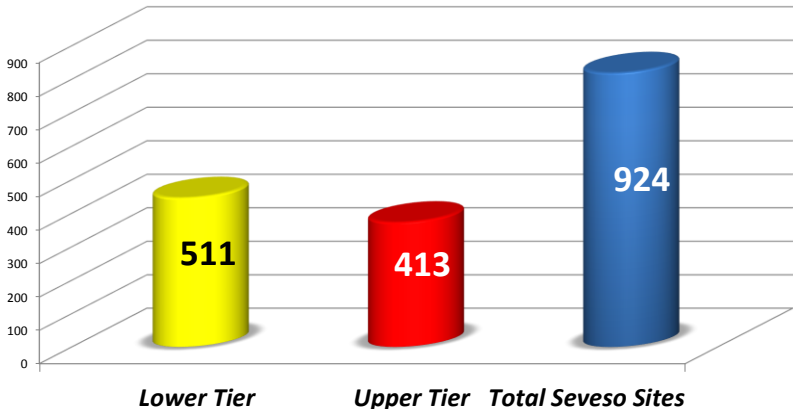


- ✓ [*Brochures for establishments*](#)
- ✓ [*Brochures for public*](#)
- ✓ [*Short films and spot films*](#)
- ✓ [*Booklet for establishments*](#)

<http://bekra.cevre.gov.tr>



SEVESO ESTABLISHMENTS IN TURKEY





BEKRA NOTIFICATION SYSTEM

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BEKRA NOTIFICATION SYSTEM

Bekra

Home Page

Establishment Information

Notifications

Spatial Notifications

Safety Report

Internal Emergency Plan

Document Management

Accident Reports

Regulations

Help

Establishment Information

Facility Name: Test Firma 2 - Test Tesis 2

Facility Address: 406

Province: ANTALYA

County: MERKEZ

E-Mail: 0

Authorized Person: 0 0

Phone Number: 5

Bekra Category: Out of Scope

Business Segment: Isenite

Map

Map

Notifications

Last Notification Date: 08.11.2015 08:11:11

Total Notification Number: 132

Facility Documents

Internal Emergency Plan: You are exempt from load internal emergency plan report. (It will be required if your last notification is 'Upper Tier')

Safety Report: You are exempt from load safety report. (It will be required if your last notification is 'Upper Tier')

Practice Report: You are exempt from load practice report. (It will be required if your last notification is 'Upper Tier')

Major Accident Prevention Policy Report: You have created report but the loaded document is

Disparity Report: 1

Spatial Notifications

Added Comments: 7

Chemical Added Units: 7

Saved Accident Scenarios: 1 scenario

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BEKRA NOTIFICATION SYSTEM

Bekra Mehmet Yener YILMAZ

Home Page Establishment Information

Establishment Information

Facility Name	Test Firma 2 - Test Tesis 2
Province	ANTALYA
County	
Facility Address	456
Phone Number	6
Fax number	0
E-Mail	0
Establish Date	12.20.1999
Authorized Person	Mehmet Yener YILMAZ
Industrial Type	Cosmetic Industry
Business Segment	Sanayi
Neighbouring Information	Sanayi
Adjacent To City	<input checked="" type="radio"/> Yes <input type="radio"/> No
Located In Organized Industrial Site	<input checked="" type="radio"/> Yes <input type="radio"/> No
Coastal Facility	<input checked="" type="radio"/> Yes <input type="radio"/> No
Bekra Version	<input checked="" type="radio"/> 2 <input type="radio"/> 3

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BEKRA NOTIFICATION SYSTEM

Bekra Mehmet Yener YILMAZ

Home Page Establishment Information

Test Firma 2 - Test Tesis 2
Bekra Version:3

Home Page Notifications

Establishment Information

Establishment Name	Authorized Person	Bekra Version
Test Firma 2 - Test Tesis 2	0 0	3

Last Notification

Notification Date	Bekra Version of Notification	Bekra Category
Monday, November 9, 2015	3	Out of Scope

Previous Notifications

Notification Date	Bekra Version of Notification	Bekra Category
Tuesday, December 23, 2014	2	Out of Scope
Thursday, December 25, 2014	2	Lower Tier
Thursday, December 25, 2014	2	Lower Tier
Thursday, December 25, 2014	2	Lower Tier
Thursday, December 25, 2014	2	Out of Scope
Thursday, December 25, 2014	2	Upper Tier
Thursday, December 25, 2014	2	Upper Tier
Sunday, January 4, 2015	3	Out of Scope
Monday, January 5, 2015	2	Lower Tier
Monday, January 5, 2015	2	Upper Tier

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BEKRA NOTIFICATION SYSTEM

Home Page

Establishment Information

Notifications

Spatial Notifications

Safety Report

Internal Emergency Plan

Document Management

Accident Reports

Regulations

Help

Facility Spatial Information

BEKRA

Draw Establishment Boundary

Add Component

Accident Scenarios

Test Firma 2 - Test Tesis 2

456 7

Person in charge

Mehmet Yener YILMAZ

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BEKRA NOTIFICATION SYSTEM

Home Page

Establishment Information

Notifications

Spatial Notifications

Safety Report

Internal Emergency Plan

Document Management

Accident Reports

Regulations

Help

Safety Reports

Notification Number	Report Name	Creating Report Date	Report Upload Date	Qualification Date	Accident Scenario Number	Report link for public	Facility Explanation
20527	ipr	10.06.2015	10.06.2015	12.06.2015	2	http://ekodenge.com	CF
27872	HİGİ	04.01.2015	28.05.2015	28.05.2015	0		CF
27876	andon	07.04.2015	05.06.2015	23.06.2015	0		CF
27876	iyh	31.05.2015	05.06.2015	01.07.2015	5		CF
27876	6 hacem	15.04.2015	05.06.2015	01.07.2015	1		CF

New Safety Report

Mehmet Yener YILMAZ

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Internal Emergency Plan						
Notification Number	Report Name	Creating Report Date	Report Upload Date	Qualification Date	Facility Explanation	
28027	aciklanmamis test	10.06.2015	10.06.2015	13.06.2015		
27976	n	08.06.2015	08.06.2015	22.06.2015	n	
27976	dad	02.02.2015	05.06.2015	10.06.2015	aciklanmamis	
New Internal Emergency Plan						

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BEKRA NOTIFICATION SYSTEM

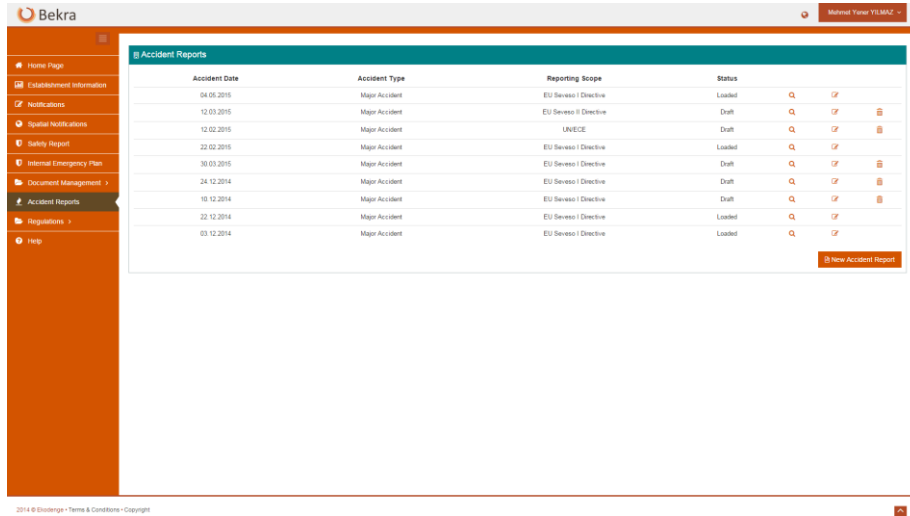
Major Accident Prevention Policy Report			
Report Name	Creating Report Date	Report Upload Date	Description
yeni ek-1p	13.05.2015	30.05.2015	gineyeme
Test Grids2	12.04.2015	12.03.2015	Test Grid Açiklamasi
New Major Accident Prevention Policy Plan			

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BEKRA NOTIFICATION SYSTEM



The screenshot shows the BEKRA Notification System interface. On the left is a sidebar with navigation links: Home Page, Establishment Information, Notifications, Spatial Notifications, Safety Report, Internal Emergency Plan, Document Management, Accident Reports (selected), Regulations, and Help. The main content area is titled 'Accident Reports' and contains a table with the following data:

Accident Date	Accident Type	Reporting Scope	Status
04.05.2015	Major Accident	EU Seveso I Directive	Loaded
12.03.2015	Major Accident	EU Seveso II Directive	Draft
12.02.2015	Major Accident	UNEDCE	Draft
22.02.2015	Major Accident	EU Seveso I Directive	Loaded
30.03.2015	Major Accident	EU Seveso I Directive	Draft
24.12.2014	Major Accident	EU Seveso I Directive	Draft
10.12.2014	Major Accident	EU Seveso I Directive	Draft
22.12.2014	Major Accident	EU Seveso I Directive	Loaded
03.12.2014	Major Accident	EU Seveso I Directive	Loaded

At the bottom right of the table, there is a button labeled 'New Accident Report'.

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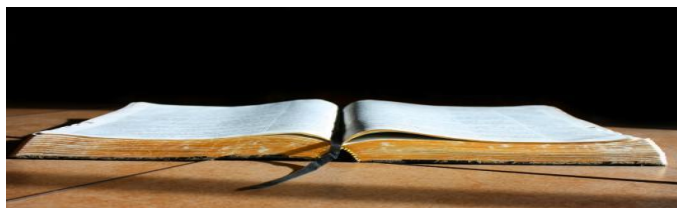
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TURKISH LEGISLATION WORK



- ✓ **Communique on Preparation of Safety Reports: 24 January 2015**
- ✓ **Communique on Preparation of Major Accident Prevention Policy: 4 August 2015**
- ✓ **Communique on Internal Emergency Plans: the end of 2015**
- ✓ **Communique on External Emergency Plans: the end of 2015**
- ✓ **Communique on Seveso Inspections: the first quarter of 2016**
- ✓ **Guideline on Public Information: the first quarter of 2016**



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Thank you for attention

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REPUBLIC OF TURKEY

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