STATE OF INDIANA

INDIANA UTILITY REGULATORY COMMISSION
101 W. WASHINGTON STREET, SUITE 1500E
INDIANAPOLIS, INDIANA 46204-3407

http://www.in.gov/iurc
Office: (317) 232-2701
Facsimile: (317) 232-6758

Pipeline Safety Division Investigation Report

Investigation regarding: Fa Wilhelm Construction

UPPAC Database Record ID: 4350

Report Date: 8/14/2013 Investigator: William Boyd

Damage Date: 12/5/2012 Damage Address: 2002 S Holt Rd, Indianapolis, Marion

The Parties

Excavator: **Fa Wilhelm Construction**

Address: 3914 Prospect St, Indianapolis, In 46203

Facility Owner: **Citizens Gas**

Pipeline Facility

Facility Type: Natural Gas Facility Function: Service/Drop

Type of Equipment: Backhoe/Trackhoe Type of Work Performed: Demolition

Damage Impact

Product Release: Yes Ignition: No

Service Interruption: True Number of Customers Affected: 3

Injuries: 0 Fatalities: 0 Repair Cost (if known): $0

Excavator Activities/Cause of Damage Information:

Excavator Request Locates: Yes Indiana 811 Ticket Number: 1211200319 & 1211200324 Original Start Date:

Locate Instructions:

Follow-Up Locate Instructions (if applicable):

Synopsis: Excavator struck and damaged an underground natural gas service while performing demolition work.

Findings: Reported by Tony Chan (Citizens Gas); excavator's response to initial notice was received on 2/28/2013. The excavator failed to maintain required clearance from the gas service with the trackhoe.

Conclusion: There was a failure to maintain clearance of the gas facility.

Violation: IC 8-1-26-20(a)(2) Failure to maintain two (2) feet clearance with mechanized equipment.

DAMAGE INFORMATION REPORT – PIPELINE SAFETY DIVISION

State Form 54122 (R2 / 7-11)
INDIANA UTILITY REGULATORY COMMISSION

Submitted to IURC-Pipeline Safety on: Jan 23, 2013

Who is submitting this information?

Name of person providing this information: Tony Chan (Citizens Gas)

Business address *(number and street)*: 2150 Dr. M.L. King Jr. St.

City, State, and ZIP code: Indianapolis, IN 46202

Telephone number *(area code)*: (317) 927-4619

Fax number *(area code)*: (317) 927-4619

E-mail address: AChan@CitizensEnergyGroup.com

Excavator Information, if known

Full name: WILHELM CONSTRUCTION

Business address *(number and street)*: 3914 PROSPECT ST

City, State, and ZIP code: Indianapolis, IN 46203

Telephone number *(area code)*: 317-359-5411

Fax number *(area code)*:

E-mail address:

Excavation or Demolition Information

Excavator type: Contractor

Excavation or demolition equipment: Backhoe/Trackhoe

Type of work performed: Bldg. Construction

Date and Location of Damage

Date of damage (*month, day, year*): Dec 5, 2012

County: Marion

City: Indianapolis

Street address (*number and street, city, state, and ZIP code*):
2002 S HOLT RD

Nearest intersection: MINNESOTA ST

Right of way where damage occurred: Private - Business

Was there a release of product? Yes

If yes, was there an ignition of product? No

Were evacuations necessary as a result of release? No

If yes, how many evacuated? 0

Was there a customer service interruption? Yes

If yes, how many affected? 3

Time to restore service (*in hours*): 1

Enter number of injuries, if applicable and known: 0

Enter number of fatalities, if applicable and known: 0

Property damage, Estimate $0

Affected Facility Information

What type of pipeline was damaged? Natural Gas

What was the affected facility? Service/Drop

What was the depth of the facility, in inches? 12

Notification, Locating, Marking

Did excavator request locates prior to commencing work? Yes

Enter Indiana 811 ticket number, if known: 1211120107 & 1211120115

Was the locate request completed within two working days? No

If locates were performed, were they done so by a contractor or pipeline employee? Contractor

If a contractor locator, enter the company name, if known: USIC

Were facility marks visible in the area of excavation? Yes

Were facilities marked correctly? Yes

Type of markings used: Paint and Flags

If other, please specify: _____

Was site marked by "White Lining"? No

Were special instructions part of the locate request? No

Were maps used to complete the locate request? Yes

Were pipeline company representatives on site during excavation? No

Did the excavator notify the operator in the event of this damage? Yes

Did the excavator notify Indiana 811 in the event of this damage? No

Did the excavator notify 911 in the event of a release of product? Unknown/Other

Description of Cause

Select from the list the most accurate cause for the damage: --No notification made to the one-call center

Additional Comments

Excavator had allowed locate tickets to expire. MAO 1/23/2013.

WILHELM
CONSTRUCTION

February 27, 2013 Via Certified Mail

Mr. William Boyd, Director Pipeline Safety Division
Indiana Utility Regulatory Commission
101 West Washington Street, Suite 1500E
Indianapolis, IN 46204

Project: 9675 - Stout field Joint forces Headquarters Expansion

Subject: Pipeline Safety Division Case No. 4350
INITIAL DOCUMENTS – EXCAVATOR

Mr. Boyd,

Please accept this letter and the attachment as FA Wilhelm Construction Co., Inc.'s ("FAW") response to your letter dated February 14, 2013 regarding Pipeline Safety Division Case No. 4350 in which a Citizens Gas natural gas line was damaged on December 5, 2012 at Stout Field.

On December 5, 2012, an equipment operator under the employment of FAW was stripping topsoil in between Buildings 1, 2, & 3 at Stout Field. The stripping operation cut into the earth no more than 12 inches deep. Prior to the start of the work, FAW provided notice of its intent to excavate by calling 811 pursuant to IC 8-1-26-16(a)(1) and IC 8-1-26-3(3). The utilities in the area were marked by the 811 association, and the depth of the lines was verified by hand digging to the top of the gas, electrical, and water utilities. The depth of the gas line was verified at an elevation 4'-8" below existing grade at a point 20 feet south of where the line was damaged and also verified to a depth of 30 inches below grade at a point 25 feet north of where the line was damaged. While stripping the topsoil with an excavator in this area, the FAW operator made contact with the gas line to Building #3 at a point where it was less than 12" below existing grade. This was an unexpected and dramatic change in elevation from the points of verification discussed above.

Below is a list of documents attached to this letter substantiating the facts regarding the events on that day:

- Excavator Information Request Form
- FA Wilhelm Locate Ticket Log
- Site Pictures with Descriptions

Based on the information provided in the attachment documents, we have a response to each of the potential statutory violations outlined in your February 14, 2013 letter as they pertain to FAW:

IC 8-1-26-16(g): Failure to provide notice of excavation
As stated above, prior to the start of the work, FAW Superintendent Pat Meehan provided notice of its intent to excavate by calling 811 pursuant to IC 8-1-26-16(a)(1) and IC 8-1-26-3(3). The utilities in the area were marked by the 811 association. The locate ticket numbers for the area of work that were valid at the time of the line break were 1211200319 & 1211200324. These ticket numbers are highlighted on the attached FA Wilhelm Locate Ticket Log. Notice of excavation was provided by FAW pursuant to IC 8-1-26-16.

IC 8-1-26-16(h): Failure to perform white lining
When FAW Superintendent Pat Meehan called the 811 association, he gave them a street address. Mr. Meehan also met with the representative of the 811 association on site to discuss the work taking place and its location. It is our reading of IC 8-1-26-16(a)(2) that white lining is not required when a street address is provided to the 811 association. Additionally, the scope of the Stout Field project involves the entire north end of the Stout Field property in excess of ten acres. The 811 association was directed to locate all utilities within the property per locate tickets 1211200319 & 1211200324.

IC 8-1-26-20(b): Failure to maintain 2' clearance with mechanized equipment
Prior to stripping the topsoil, the depth of the gas line was verified at an elevation 4'-8" below existing grade at a point 20 feet south of where the line was damaged and also verified to a depth of 30 inches below grade at a point 25 feet north of where the line was damaged. While stripping the topsoil with an excavator in this area, the FAW operator made contact with the gas line to Building #3 at a point where it was less than 12" below existing grade. This unexpected and dramatic change in elevation from the points of verification was not foreseeable by FAW. See attached photos.

IC 8-1-26-18(f): Failure to properly locate facilities (operator violation)
Operator to respond.

If you have any questions regarding the provided information or need additional information, please contact me.

Very truly yours,

Michael R. Kerr
Operations Manager

INFORMATION REQUEST
State Form 54909 (2-12)
INDIANA UTILITY REGULATORY COMMISSION – PIPELINE SAFETY DIVISION

Case Number: No. 4350

The Pipeline Safety Division of the Indiana Utility Regulatory Commission requests any and all information you can provide regarding the following criteria.

Upon completion of answers select email button for submission.

The Parties

Excavator Information:

Business Name: FA Wilhelm Construction Co., Inc.

Responsible Party Personal Name: Mike Kerr

Title (*if any*): Operations Manager

Address (*number and street*): 3914 Prospect Street

City, State and ZIP Code: Indianapolis, IN 46203

Preferred Telephone Number (area code): 317-359-5411

Cellular Telephone Number (area code): 317-538-0868

Email Address: mikekerr@fawilhelm.com

Facility Information:

Business Name: Citizens Gas

Responsible Party Personal Name: _____

Title (*if any*): _____

Address (*number and street*): _____

City, State and ZIP Code: _____

Preferred Telephone Number (area code): _____

Cellular Telephone Number (area code): _____

Email Address: _____

Locator Service Information:

Business Name: 811 - _____

Responsible Party Personal Name: _____

Title (*if any*): _____

Address (*number and street*): _____

City, State and ZIP Code: _____

Preferred Telephone Number (area code): _____

Cellular Telephone Number (area code): _____

Email Address: _____

Cause of Damage Information

Type of Equipment ***(select one)*****:** Backhoe/Trackhoe

Type of Work Performed ***(select one)*****:** Bldg. Demolition

Other Information (Witness, Police, Fire, Other):

Personal Contact: N/A

Business/Organization Name: N/A

Title (*if any*): N/A

Address (*number and street*): N/A

City, State and ZIP Code: N/A

Preferred Telephone Number (area code): N/A

Cellular Telephone Number (area code): N/A

Email Address: N/A

Utility Line Impact

Location of Damage:

Address (*number and street*): 2002 S. Holt Road

City, State and ZIP Code: Indianapolis, IN 46241

Nearest Intersection: Holt & Minnesotta

Product Type *(select one)*: Natural Gas

Facility Type *(select one)*: Service/Drop

Size (Diameter/etc.): 1.5"

Pressure (PSIG/Inches): Unknown

Interruption in Service: ☒ Yes ☐ No **Number of Customers Affected:** 2

Evacuation: ☒ Yes ☐ No **If yes, How Many Evacuated?** 40

Repair Cost (if known): $

Release of Product: ☒ Yes ☐ No

Ignition and/or Fire: ☐ Yes ☒ No

Excavator Notify 811: ☒ Yes ☐ No

Locate Information

Excavator Request Locate: ☒ Yes ☐ No

Indiana 811 Locate Ticket Number: 1211200319 & 1211200324

Locate Marks Visible:	☒ Yes	☐ No
Locate Marks Correct:	☒ Yes	☐ No
Excavator "White Lined":	☐ Yes	☒ No
Maps Used to Mark Facilities:	☒ Yes	☐ No
Was Locate Provided within Two (2) Working Days:	☒ Yes	☐ No
Operator Employees On-site during Excavation:	☐ Yes	☒ No

Incident Impact Information

Number of Outpatient Treated: 0

Number of Inpatient Treated: 0

Number of Fatalities: 0

Fire Department Response:	☒ Yes	☐ No
Police Department Response:	☐ Yes	☒ No
Ambulance Response:	☐ Yes	☒ No

Additional Information / Comments

Please refer to the attached narrative and pictures.

NARRATIVE STATEMENT

Your Pipeline Safety Division Case Number: 4350

Your Full Name: Michael Ray Kerr

Full Name of Business / Entity (*if applicable*): FA Wilhelm Construction Co., Inc.

Your Business Title (*if applicable*): Operations Manager

Address (*number and street*): 3914 Prospect Street

City: Indianapolis State: IN ZIP Code: 46203

Your E-mail Address: mitchdavison@fawilhelm.com

Today's Date *(month, day, year)*: February 27, 2013

Your Signature: _____ Title (*if any*) Operations Manager

Please return your Narrative Statement to:

Pipeline Safety Division – Case Number 4350
Indiana Utility Regulatory Commission
101 West Washington Street, 1500E
Indianapolis, IN 46204

Or scan the statement and Email to:

PipelineDamageCase@urc.in.gov

FA Wilhelm Locate Ticket Log

DATE CALLED	DIG NUMBER	DATE TICKET ENDS	CALL BACK DATE	LOCATION
11/2/2012	1211021813	11/22/2012	11/19/2012	Holt/Minnesota
11/2/2012	1211021823	11/22/2012	11/19/2012	Holt/Minnesota
11/12/2012	1211120107	12/2/2012	11/28/2012	Holt/Sam Jones
11/12/2012	1211120115	12/2/2012	11/28/2012	Holt/Sam Jones
11/20/2012	**1211200319**	**12/10/2012**	**12/6/2012**	**Holt/Minnesota**
11/20/2012	**1211200324**	**12/10/2012**	**12/6/2012**	**Holt/Minnesota**
12/5/2012	1212052741	12/25/2012	12/19/2012	Holt/Sam Jones
12/5/2012	1212052743	12/25/2012	12/19/2012	Holt/Sam Jones
12/7/2012	1212071336	12/27/2012	12/21/2012	Holt/Minnesota
12/7/2012	1212071348	12/27/2012	12/21/2012	Holt/Minnesota
12/21/2012	1212210186	1/10/2013	1/8/2013	Holt/Minnesota
12/21/2012	1212210188	1/10/2013	1/8/2013	Holt/Minnesota
1/8/2013	1301081577	1/28/2013	1/24/2013	Holt/Minnesota
1/8/2013	1301081586	1/28/2013	1/24/2013	Holt/Minnesota
1/25/2013	1301250572	2/14/2013	2/12/2013	Holt/Minnesota
1/25/2013	1301250578	2/14/2013	1/12/2013	Holt/Minnesota
2/14/2013	1302140248	3/6/2013	3/4/2013	Holt/Minnesota
2/14/2013	1302140254	3/6/2013	3/4/2013	Holt/Minnesota

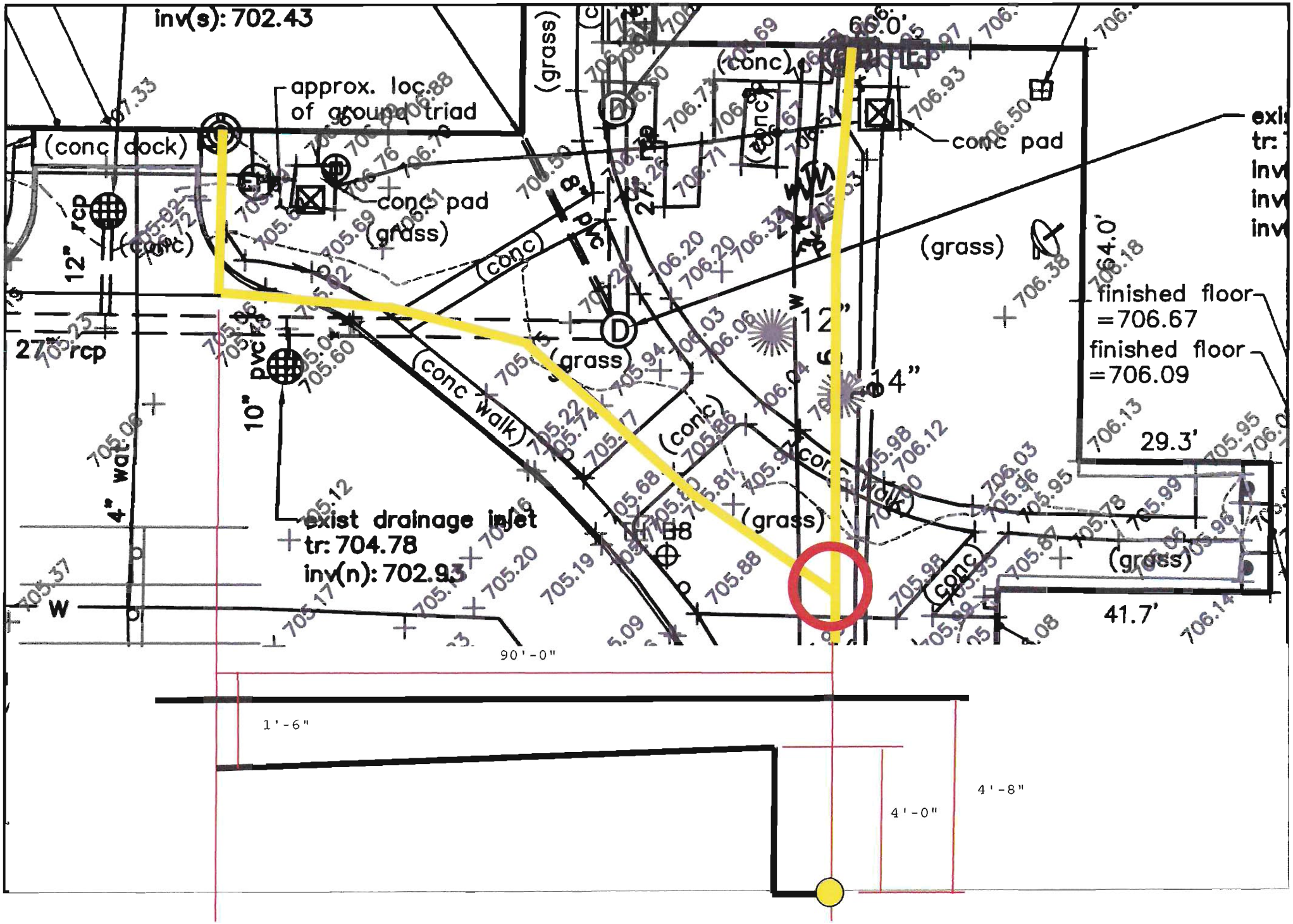
inv(s): 702.43
approx. loc. of ground triad
(conc dock)
conc pad
(grass)
12" rcp
27" rcp
10" PVC
4" wat
conc walk
exist drainage inlet
tr: 704.78
inv(n): 702.93
finished floor =706.67
finished floor =706.09
29.3'
41.7'
90'-0"
1'-6"
4'-0"
4'-8"

Photo Album

Pictures 1, 2, & 3 – Indicate markings on the pavement areas

Pictures 4, 5, & 6 – Indicate the location of the break and Citizens Energy Repairing the line.

Picture 7 – Shows the repaired 90 in the ground and the broken 90 sitting on the mound behind it.

Picture 8 – Shows the repaired line that was pot holed the following day to show the line attaching to the main.

Pictures 9, 10, 11, 12, & 13 – Show the area that was being stripped and the shallowness of the service line to Bldg #3.

12.05.2012 14:47

12.05.2012 15:07

12.05.2012 15:08

12 05 2012 14:47

12 05 2012 14 51

12 05 2012 14 51

12.05.2012 14:58

KOMATSU
200
12.05.2012 14:47

12.05.2012 14:53

12.05.2012 14:53

12 05 2012 14 53

12.05.2012 14:53