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: Ct Partnership D/b/a Living Water Irrigation

UPPAC Database Record ID: 3322

Investigator: Howard Friend

Report Date: 08/28/2012

Damage Date: 06/21/2012

Damage Address: 957 Westcreek Drive

City: Columbus

County: Bartholomew

The Parties

Excavator: **Ct Partnership D/b/a Living Water Irrigation**

Contact: Chris Ogle

Address: 2330 Jolmda Court, Columbus, In 47203

Telephone: 812-350-9275

Facility Owner: Indiana Natural Gas Corporation

Contact: Phillip Ross

Address: 1080 W Hospital Road, Paoli, IN 47454

Pipeline Facility

Facility Type: Natural Gas

Facility Function: Distribution

Investigation regarding: Ct Partnership D/b/a Living Water Irrigation

UPPAC Database Record ID: 3322

Damage Impact

Product release: Yes

Ignition: No

Service Interruption: True

Number of Customers Affected: 1

Injuries: 0

Fatalities: 0

Repair Cost (if known): $403

Excavator Activities/Cause of damage information:

Excavator request locates: Yes Indiana 811 ticket Number: 12052225666

Type of Equipment: Trencher

Type of work performed: Irrigation

Synopsis: A natural gas service was damaged during excavation to install irrigation.

Findings: Reported by Indiana Natural Gas Corporation; excavator has not responded to initial notice that was mailed 07/13/2012. Excavator was installing irrigation piping with a plow on an expired locate ticket.

Conclusion: Excavator failed to call to extend the original ticket prior to beginning work.

Violation: IC 8-1-26-16(g): Failure to provide notice of excavation.

DAMAGE INFORMATION REPORT – PIPELINE SAFETY DIVISION

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

Submitted to IURC-Pipeline Safety on: Jul 10, 2012

Who is submitting this information?

Name of person providing this information: Phil Ross - Indiana Natural Gas

Business address *(number and street)*: 1080 W Hospital Road

City, State, and ZIP code: Paoli, IN 47454

Telephone number *(area code)*: 812-723-2151

Fax number *(area code)*: 812-723-2188

E-mail address: phil_r@indiananatural.com

Excavator Information, if known

Full name: Chris Ogie - CT Partnership d/b/a Living Water Irrigation

Business address *(number and street)*: 2330 Jolmda Court

City, State, and ZIP code: Columbus, IN 47203

Telephone number *(area code)*: 812-350-9275

Fax number *(area code)*:

E-mail address:

Excavation or Demolition Information

Excavator type: Contractor

Excavation or demolition equipment: Trencher

Type of work performed: Irrigation

Date and Location of Damage

Date of damage (*month, day, year*): Jun 21, 2012

County: Bartholomew

City: Columbus

Street address (*number and street, city, state, and ZIP code*):
957 Westcreek Drive, Columbus, IN 47201

Nearest intersection: Goeller Road

Right of way where damage occurred: Private Easement

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? _____

Was there a customer service interruption? Yes

If yes, how many affected? 1

Time to restore service (*in hours*): 1.5

Enter number of injuries, if applicable and known: 0

Enter number of fatalities, if applicable and known: 0

Property damage, Estimate $403.17

Affected Facility Information

What type of pipeline was damaged? Natural Gas

What was the affected facility? Distribution

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: 12052225666-00A - EXPIRED

Was the locate request completed within two working days? Yes

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

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

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? No

Description of Cause

Select from the list the most accurate cause for the damage: --Failure to maintain clearance

Additional Comments

Line that was hit was a new 3/4" gas service line to a new home in rural Columbus. The yard had been graded in the area where the line was hit, after gas line installation, removing about 6" of the 18" of original cover, leaving 12" of cover on the line at the time the line was hit. Line was equipped with an excess flow valve (XSFV) downstream of the tap on the distribution main.

Locate was called in for property on 5/22/2012.
ING responded and marked the line correctly on 5/24/2012 (Truck 74).
Locate Ticket Expired.
on 6/21/2012 Excavator proceeded to use a vibratory plow to cross the 3/4" gas service line despite flags and paint.
No spotting was done.
Tip of vibratory plow cut the top out of the 3/4" PE service line and severed the tracer wire.
XSFV tripped off, rendering situation "safe".
Excavator contacted ING who responded, repaired service line, spliced tracer wire, and made necessary checks to verify line integrity before restoring the home's gas service.

Excavator was working under an expired locate ticket. MAO 7/10/2012.

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City, State, and ZIP code: Columbus, IN 47203

Telephone number *(area code)*: 812-350-9275

Fax number *(area code)*:

E-mail address:

Excavation or Demolition Information

Excavator type: Contractor

Excavation or demolition equipment: Unknown/Other

Type of work performed: Irrigation

Date and Location of Damage

Date of damage (*month, day, year*): Jun 21, 2012

County: Bartholomew

City: Columbus

Street address (*number and street, city, state, and ZIP code*):
957 Westcreek Drive, Columbus, IN 47201

Nearest intersection: Goeller Road

Right of way where damage occurred: Private Easement

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?

Was there a customer service interruption? Yes

If yes, how many affected? 1

Time to restore service (*in hours*): 1.5

Enter number of injuries, if applicable and known: 0

Enter number of fatalities, if applicable and known: 0

Property damage, Estimate $403.17

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Locate Sent to Truck - 74 on 5/22/2012

ID2512 00002 IUPPSa 05/22/2012 13:39:14 1205222566-00A NORM NEW GRID

NORMAL NOTICE

Ticket : 1205222566 Date: 05/22/2012 Time: 13:28 Oper: TSPAINHOWER Chan:049

State: IN Cnty: BARTHOLOMEW Twp: COLUMBUS
Cityname: COLUMBUS Inside: N Near: Y
Subd
ivision: WESTLAKE PARK

Address : 957
Street : WESTCREEK DR
Cross 1 : W GOELLER BLVD Within 1/4 mile: Y
Location: LOCATE ENTIRE PROPERTY
:
Grids : 3911C8559D 3911C8559C 3911C8559B 3911C8559A 3910A8559D
Grids : 3911D8559D 3910A85
9C 3911D8559C 3910A8559B 3911D8559B
Grids : 3910A8559A 3911D8559A
Boundary: n 39.190189 s 39.180874 w -85.998535 e -85.985344

Work type : INSTALLING IRRIGATION
Done for : BANISTER CONSTRUCTION
Start date: 05/24/2012 Time: 1
:45 Hours notice: 48/48 Priority: NORM
Ug/Oh/Both: U Blasting: N Boring: N Railroad: N Emergency: N
Duration : 1 WEEK Depth: 1 FOOT

Company : LIVING WATERS IRRIGATION Type: CONT
Co addr : 2330 JOLINDA COURT
City : COLUMBUS State:
N Zip: 47203
Caller : CHRIS OGLE Phone: (812)376-9275
Contact : CHRIS OGLE - CELL Phone:
BestTime:
Mobile : (812)350-9275

Remarks : All tickets are taken and processed on Eastern Daylight Time
Will you be white-lining the dig site area? NO
:

Added by MNG

Completed on 5/24/2012 **Remarks : Flagged & Painted**

INDIANA NATURAL GAS CORPORATION -COPY-
MATERIAL USED REPORT

Project Description Repair 3/4 Service Line Date 6-21-12

Name CHRIS Ogle - Living WATERS IRRIGATION Account No. 892000.

Address 2330 Jolinda Court @ 957 Westcreek Dr, Columbus, IN

Columbus IN 47203-3550

QUANTITY		SIZE AND DESCRIPTION	Cost	ID #	PRICE	Bill TOTAL
2'	3/4"	Plastic Pipe	1.04 = .52	4000047	.68	1.36
	1 1/4"	Plastic Pipe		4000056		
	2"	Plastic Pipe		4000073		
	3"	Plastic Pipe		4000154		
	4"	Plastic Pipe		4001055		
	3/4"	Steel Pipe		4000297		
2'		Tracer Wire	.20 = .10	4000009	.13	.26
	3/4"	Service Risers - Premade/Anodeless		4003015		
	3/4"	Transition Fitting		4001260		
	1 1/4"	Transition Fitting		4001940		
	3/4"	Coupling - Plastic/Socket		4000155		
	3/4"	Service Tee - Plastic/Socket		4000278		
		Service Tee - Plastic/Socket - Other				
		Marker Post - Round/Plastic		4004006		
		Marker Post - Flat/Plastic		4001742		
	3/4"	Steel Service Tee		4003404		
	3/4"	Stop		4001261		
2	3/4"	Stab Coupling	28.00 = 14.00	4001090	18.20	36.40
		Primer		4002427		
	1"	Roll Tape		4000383		
	2"	Roll Tape		4000929		
		Small Splice Kit		4000095		
2		Large Splice Kit	2.40 = 1.20	4000112	1.56	3.12
		Wire Guard		4000523		
		Excess Flow Valve		4002500		
	3/4" X 4"	Nipple		4000063		
	1" X 3"	Nipple		4000109		
	1"	Return Bend	Mat'l Cost $31.64	4000490		
	1"	Pipe Cap		4000215		
					Mat'l =	41.14
		Kevin Hill (flow valve. min loss of gas) -NIC-			7% tax	2.88
2 hrs OT	1 Serviceman @ 60.00 an hr					120.00
3 hrs	Administrative fee @ 45.00 an hr					135.00
1	Emergency Response					100.00
				*	1.4% Gross Receipts Tax	4.15
Rev 1/2009	TOTAL			billed 4/27/12 SF		$403.17

STATEMENT OF ACCOUNT **June 27, 2012**

From: **INDIANA NATURAL GAS CORPORATION**
4480 E Old State Road 46
Nashville, Indiana 47448

To: **Living Waters Irrigation**
Chris Ogle
2330 Jolinda Court
Columbus, IN 47203-3550

Acct #

Date of Purchase	Quantity	Description	Unit Price	Amount Due
6/21/12	2'	3/4" plastic pipe	0.68	1.36
	2'	tracer wire	0.13	0.26
	2	stab coupling	18.20	36.40
	2	large splice kit	1.56	3.12
		-Due Upon Receipt-		
		THANK YOU!		

Subtotal	41.14
7% Sales Tax	2.88
Emergency Response	100.00
1 serviceman - 2 hrs OT @ $60.00 per man hr **Labor**	120.00
Administration Fee	135.00
1.4% Gross Receipts Tax	4.15
Total Due	$403.17

Hit service line @ 957 Westcreek Dr, Columbus, IN

Please feel free to call if you should have any questions about this invoice.
812-988-2512

-Copy-

Acct# 1036 273 20089 01 Truck # 76 Order # 18799

Service __ Meter __ Leak Order X Misc X Work __

****

Name CHANDRA , SATISH Date 6/21/2012
Addr 957 WESTCREEK DR/LOT 43 Time Called 16:25
Town COLUMBUS St IN Zip 47201-1107 Needed 6/21/2012

Mtr Location: Front __ Left __ Right __ Back __ Taken By sjf
Remarks Living Wtrs Irrigatioin scraped gas line gas odor Cycle# 27
MapPg#
Owner 812-377-8953 G/L# 892

****

Meter Reqst: Remove Meter __ Set Meter __ Set Regulator __ Turn On __
Turn Off __
Meter # 17374055 Type Xpondr# 2000076442 Read Only __
Chng Meter __
Size 275 Orf SetDate 2/27/2012 Check Meter __
Other X
Index 82 0085 Press New Xponder#
5 Min. Leak Test OK Set Date 02/27/2012 New Xponder SetDate

****

Installation Ft.of PE ST New Existing Retire

Remove Ft.of PE ST Retirmnt #

Remarks service has flow valve minimal gas loss

****

Leak Found : Yes X No __ Leak Report # C2012-1167 CO Report #
Ordorant Test : OK __ Strong X Weak __ N/A __ Locate __
Red Tag # Equip Shut Off
Equip @ Site: Furnc __ W/H __ S/H __ Rng __ Dry __ Grill __ Logs __ Other
Desc of Work Prfrmd : repaired line and wire

****

MATERIALS

Used	Return	Item#	$Each	$Total	Description

Total Inventory Cost - $0

****

Date Started 6/21/2012 Date Completed 6/21/2012 Date Inputed 6/22/2012

PERFORMED BY klh Approved By sjf

Town: COLUMBUS
Address: 957 WESTCREEK DR/LOT 43
Account 1036 273 20089 01

Map#:
Work Order #: 18799

IUPPS Locate#:

Type:
- [ ] Meter
- [ ] Service
- [ ] Main
- [x] Leak Repair
- [ ] Leak Investigation
- [ ] Valve Maintenance
- [ ] Valve Box Repair
- [ ] Exposed Line
- [ ] Sunken Cut
- [ ] Clean up
- [ ] Cut + Plug / Retirement
- [ ] Riser Repair / Replacement
- [ ] Anode Installation
- [ ] Other

Excavation Damage: (•) Yes | Jurisdictional: ( ) Yes ( ) No | Reportable: ( ) Yes ( ) No

Pop:
- ( ) Rural
- (•) Residential
- ( ) Business
- ( ) School Zone

Ground Surface:
- ( ) Soil
- ( ) Soil + Pavement
- ( ) Pavement
- ( ) Gravel

Facility:
- [ ] Main
- [x] Service
- [ ] Cust. Pipe

System:
- [ ] Dist. High (>60)
- [x] Dist. Medium (<60)

Location:
- [ ] Riser
- [ ] Compression Fitting
- [ ] Meter
- [x] Pipe
- [ ] Tapping Tee
- [ ] Insulator
- [ ] Valve
- [ ] Appliance
- [ ] Other

MAOP: Pressure: 66 psi | NOP: Pressure: 40 psi (Refer to Maps)

Exsisting Excess Flow Valve: (•) Yes ( ) No | Installed Excess Flow Valve: ( ) Yes ( ) No

Line Test: Pressure: 100 Duration: 15 m ( ) Chart (•) Gauge

Facility Tested: Type Plastic Size 3/4 Footage 30ft
PreTested Coil# 0719 Description tested from cut to riser

Exposed Pipe Data - Visual Inspection Report

Name: Type of Work:

Class Location ( ) Class 1 ( ) Class 2 ( ) Class 3 ( ) Class 4 | Year Installed

Pipe Material ( ) Coated Steel ( ) Plastic

Pipe Depth Pipe Wall Thickness Pipe Size

Pipe Condition ( ) Good ( ) Poor | CP Read

Pipe Coating: ( ) Good ( ) Poor ( ) None | Type: ( ) Coal Tire ( ) 3M ( ) X-Tru

Pipe Cover [ ] Concrete [ ] Asphalt [ ] Rock [ ] Sand [ ] Clay [ ] Loam [ ] Shale

Pitting Depth ( ) None ( ) Shallow ( ) Medium ( ) Deep

Extent of Corrosion ( ) None ( ) Localized ( ) Medium ( ) Extensive

Internal Corrosion ( ) None ( ) Light ( ) Medium ( ) Heavy ( ) Not Seen

Installed Anode ( ) Yes ( ) No | Installed Insulator: ( ) Yes ( ) No | Location: [ ] Main [ ] Service [ ] Meter

Corrective Action (If Needed)

LEAK REPORT Page 2

Leak# C2012-1167 Taken By sjf
Arrv. Date 6/22/2012 Arrv. Time 2:16:00 PM

Source: ☐ Customer ☑ Contractor ☐ Fire/Police ☐ Field ☐ Leak Survey ☐ Spec Srvy ☐ Ans. Service

Leak Found: ◉ Yes ○ No | Jurisdictional: ○ Yes ◉ No | Reportable: ◉ Yes ○ No

Grade / Priority
- ◉ 1 or C -Requires Immediate repair or continuous action until it is
- ○ 2 or B -Eliminated by lubrication, adjustment, or tightening - ○ Yes ○ No
- ○ 3 or A -Eliminated by lubrication, adjustment, or tightening - ○ Yes ○ No

Migration Potential: ○ High ○ Some ◉ None | Odor Read: ○ High ◉ Medium ○ Low

CGI Read: 0 % Gas Barhole | 0 % LEL Barhole | 0 % Gas Inside | 0 % LEL Inside

Cause of Leak on Jurisdictional Pipe:

Corrosion:
- ○ Corrosion (pinhole)

Natural Forces:
- ○ Storm Damage
- ○ EarthQuake
- ○ Erosion
- ○ Flood/Rain

Excavation:
- ○ Damage by MNG/ING
- ○ Damage by MNG/ING Contractor
- ◉ 3rd Party Damage

Other Outside Force:
- ○ Explosion
- ○ Fire
- ○ Vandalism
- ○ Other
- ○ Vehicular

Material or Welds:
- ○ Faulty Weld (all)
- ○ Mfg. Defect
- ○ Const. Defect

(Dent, Gouge, Stress)

Equipment:
- ☐ Gaskt, Packing, O-ring, Lube
- ☐ Failed Regulator
- ☐ Broken : pipe,coupling,nipple
- ☐ Instrument
- ☐ Thread Leak
- ☐ Failed Valve
- ☐ Improper Valve Operation
- ☐ Failed Relief

Incorrect Operations:
- ○ Procedure Violation
- ○ Safety Violation

Other:
- ○ Identify

Cut Dimensions:
Orifice Diameter
"
Length x Width
" x "

Duration of Release
Minutes

Kind: ○ Bare Steel ○ Coated ◉ Plastic ○ Cast Iron

Size: ○ 1/2" ◉ 3/4" ○ 1" ○ 1 1/4" ○ 1 1/2" ○ 2" ○ 3" ○ 4" ○ 6" ○ 8" ○ 10" ○ Other

○ Federal Land ○ Replaced or Abandoned

Work Performed for Temporary Repairs: **flow valve minimal gas loss**
Work Performed for Permanent Repairs: **repaired line and wire**

Mechanical Fitting Failure

Const.: ○ Stab ○ Bolted ○ Nut Follower ○ Other

Type: ○ Service or Main Tee ○ Tapping Tee ○ Transition ○ Coupling ○ Riser ○ Adapter ○ Valve ○ Sleeve ○ End Cap ○ Plexco T Celcon Cap ○ Other

Loc in System: ○ AboveGrounc ○ BelowGrounc ○ Inside ○ Outside ○ Main to Main ○ Main to Service

Yr Install: Yr Manuf.: Decade Install: Manuf.: Pt or Mod#: Lot#:

Fitting Material: ○ Steel ○ Plastic ○ Combination ○ Brass ○ Unkown ○ Other

Nominal Size: ○ IPS ○ CTS ○ NPS

First Joined Material: Second Joined Material: Date of Failure:

Date: **6/22/2012** Time: **2:16:00 PM** Crew: **klh** Supervisor: **klh**

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

July 13, 2012

Mr. Phillip Ross
Indiana Natural Gas Corporation
1080 W Hospital Road
Paoli, IN 47454

Subject: Investigation Request for Information

Date of Event: 6/21/2012

Event Location: 957 Westcreek Drive, Columbus

Facility Owner: Indiana Natural Gas Corporation

Excavator: Chris Ogie - Ct Partnership D/b/a Living Water Irr

Other Party: N/A

Pipeline Division Case No. 3322

Dear Mr. Ross:

Pursuant to Indiana Code 8-1-26, the *Indiana Damage to Underground Facilities Act*, the Pipeline Safety Division of the Indiana Utility Regulatory Commission ("Pipeline Division") is required to investigate reported incidents of alleged statutory violations involving underground pipeline safety. The purpose of this statute is to promote excavation and pipeline safety and to reduce the imminent danger to life, health, property, or loss of service associated with unsafe digging practices. Please note that the investigation does not entail determining criminal liability or a civil determination of fault or damages; however, it does determine whether any statutory violations were committed regarding public safety.

The Pipeline Division received information regarding potential statutory violations regarding the date and location referenced above. You were identified as a person or entity that might have information that would assist the Pipeline Division in its investigation. Therefore, we have contacted you in order to receive the full account of information in order to make a fair determination related to the circumstances of this incident.

We have asked all involved parties, entities and witnesses to provide *written* information within *30 days* in order to meet legal deadlines to conclude our investigation. **Please consider this letter as a formal request to receive any and all information and evidence (including a narrative, documentation, maps, photographs or any other written information) you can access regarding anything you may know about the incident referenced above.**