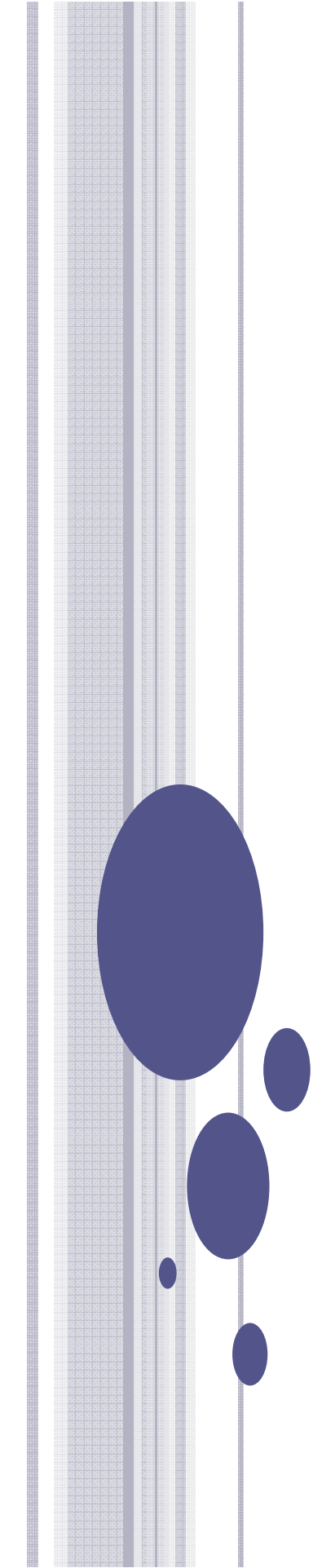




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TNT Pipeline Services is dedicated to providing our customers with the highest quality products and services at competitive rates. Honor, integrity, having fun, and continuously seeking new knowledge are the values that TNT aspires to each day. We believe that these values provide to you, our customers, the highest quality of service along with the safest environment possible while performing in this adventurous line of business.

Our accomplishments include:

**AASP Member
Certificate of Recognition
WCB – AB, BC, NWT & Sask
Safety Fitness Certification
ISNetworld Member
ComplyWorks Member
AVETTA Member**

TNT Pipeline Services has been in operation since 2002 and is led by Trent Tessmer. The core business is pipeline integrity. The company has a stellar reputation in the industry which is evidenced by the ongoing relationships cultivated with the leading pipeline companies. In addition to pigging and inhibiting, TNT provides services for In-Line Inspections, Caliper Tools, and rehabilitation and abandonments for all pipelines.

TNT Pipeline Services is a division of Tessmer Trucking Ltd. which is a wholly owned Alberta company since 1984. with our integrity division since 2002. Our head office is located in Rocky Mountain House, Alberta, Canada.

PIPELINE INTEGRITY



TNT excels at being a ‘One-Stop-Shop’ for all of your pipeline integrity needs. We have all of the equipment necessary to facilitate a full turn-key operation of cleaning, inhibiting, repairing, or abandoning your pipelines.

The following are pictures and a brief description of just what some of our capabilities are.

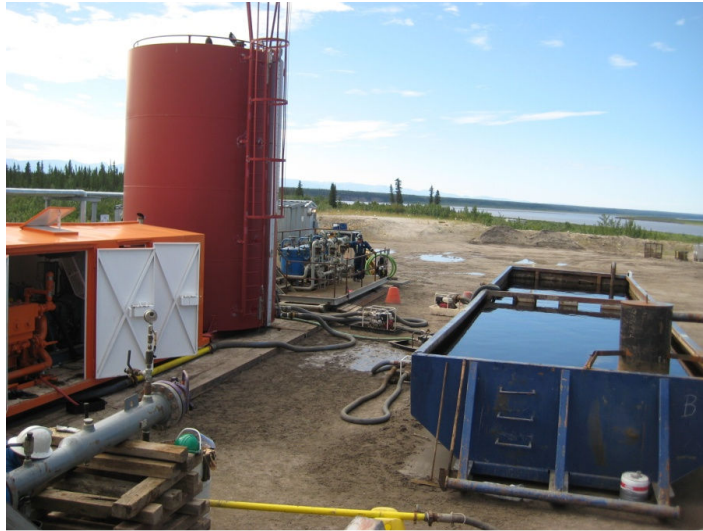


PRODUCTS AND SERVICES

- **Pipeline Cleaning**
- **C-Tool Services**
- **Smart Tool Assistance**
- **Nitrogen Services**
- **Sub-meter GPS & Pig Tracking**
- **Pigging and Inhibiting**
- **Magnetic Tools & Gauging Tools**
- **Barrel Rentals**
- **Verification Digs & Line Repair**
- **Steel Compression Sleeve**
- **Excavation Services**
- **Riser Inspections**
- **Closure Inspections**
- **Pipeline & Facility Abandonment**
- **Project Management**

PIPELINE CLEANING

We can coordinate, plan, and execute cleaning programs for your pipeline: From Start to Finish.



The Before and After Effects



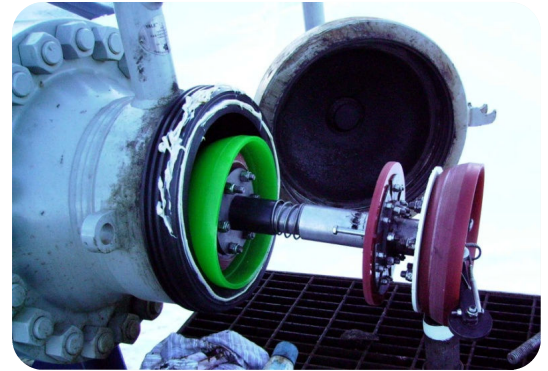
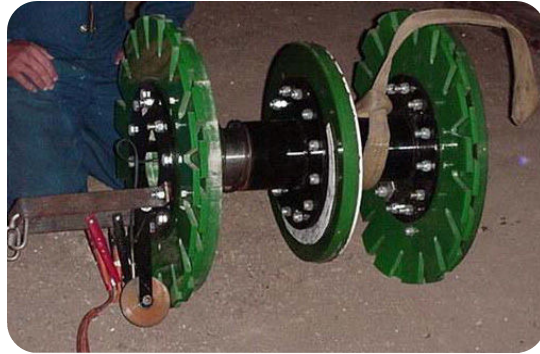
This is 26 cubic meters of sediment that was removed from a 1 km 12" pipeline

VARIOUS CLEANING TOOLS

With the use of aggressive pigging, we are able to remove the sediment that has been built up in the lines. Continuous cleaning will prevent build up and maintain the life and longevity of your lines.



C -TOOL



The C-Tool is a time based recording device designed to identify restrictions in pipelines.

It is specifically designed for each pipeline to find the exact bore restriction that will impede smart tools or other pigs in the pipeline.

Anomalies detected will be recorded and tracked, allowing for the increased ability to locate the anomaly from above ground, taking out the “*guess work*” for repairing the pipeline.

Available sizes 3” and up

SMART TOOL ASSISTANCE

TNT Crews are available to load, launch, track and receive smart tools from all tool vendors



NITROGEN SERVICES



TNT Pipeline Services is very pleased to announce that we now provide Nitrogen pumping and transport services. TNT Pipeline Services has purchased some very late model, low hour equipment, including a Flameless 180K N₂ pumper capable of 70m³ of gas per minute and up to 70 Degrees Celsius.

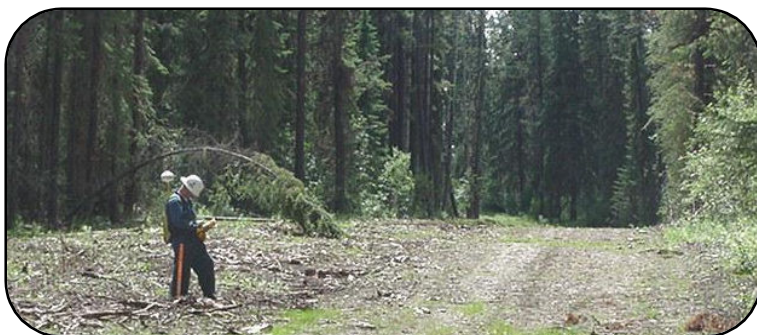
This means that we can work safely in your hot work areas, purge your vessels for maintenance purposes or for turnarounds. This also includes pipeline maintenance work, In-Line-Inspection work, pipeline purging, dewatering and drying to -40 dew point and beyond.

We have also purchased a Nitrogen Bulk Transporter, to ensure that we have enough product on site to complete your project. TNT Pipeline Services has made strategic alliances with nitrogen product supply companies and nitrogen equipment providers to access additional equipment for storage and pumping should your project require more product and pumping than TNT Pipeline Services can provide at this time.

No project is too big or too small. Our pumping unit carries 7,500 SCM of gas equivalent and our bulker carries 16,000 SCM of gas equivalent. We have access to 47, 000 SCM and 64,000 SCM and larger unites for storage with just a phone call.

Although our focus is on pipeline and process work, we are available for small drilling and completion work; we also offer coil tubing clean out work as well. Our rates are very competitive, so for your next nitrogen project please keep TNT Pipeline Services in mind and let us provide you a quote for your project.

Sub-meter GPS and Pig Tracking Services



Technician line locating and using a sub meter GPS to place an AGM location for an in-line inspection.

Using Sub-meter GPS equipment and a PCM Line Locator, we can accurately pick locations along the length of the pipeline for AGM's and for tracking purposes. If requested, almost all types of pigs can have a transmitter device attached and with the aid of geophones and a receiver, progress of pig passage can be verified. These accurate GPS locations can be used for chaining verification and also used as a reference for future inspections on the particular line.

PIGGING AND INHIBITING



We have large and small pressure units to fit terrain and volume for your inhibition requirements

Whether your lines are oil, gas, fresh water or municipal lines, we specialize in cleaning and when needed, inhibiting them

Initial cleaning runs, pigs are packed with asphaltenes

After several cleaning runs pigs come out clean.

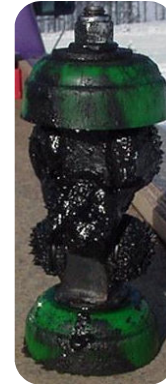


MAGNETIC PIGS

Before



Specially designed by **TNT** to remove iron-sulphides and ferrous materials from gas and hydrocarbon pipelines.

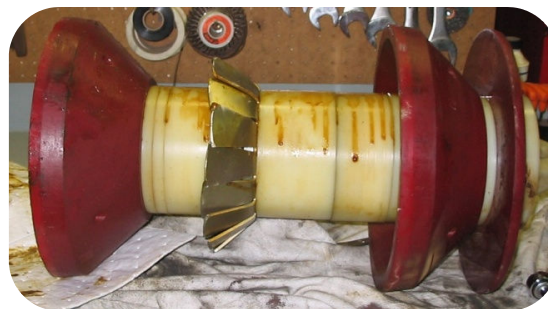
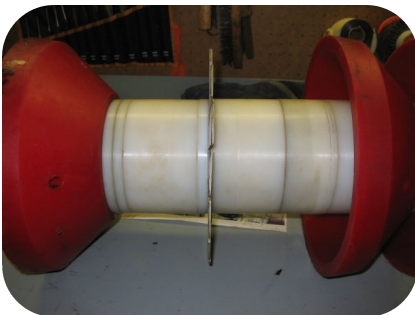


After

GAUGING TOOLS

These tools are used to help with proving bore restrictions in the pipeline for ILI Tool runs. However, they do not give any type of location as to where an obstruction may be, therefore the use of a C-Tool would be recommended.

Tools available from 3" and up



Sizing Tools with Gauge Plates on them

Before and after pictures show there being damage done within the pipeline

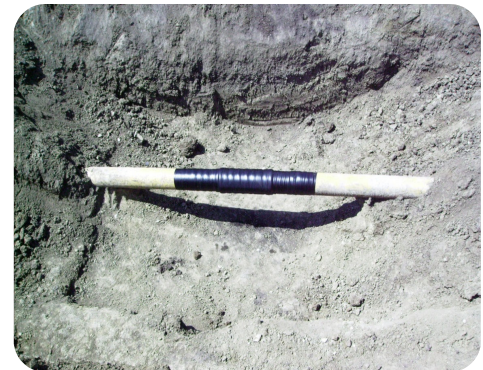
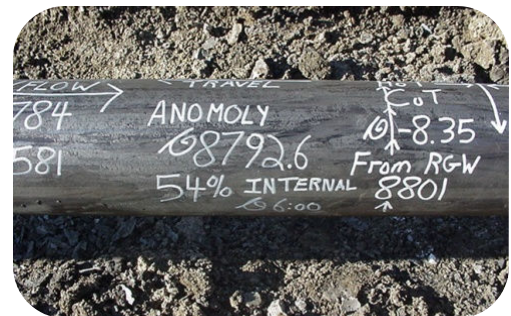
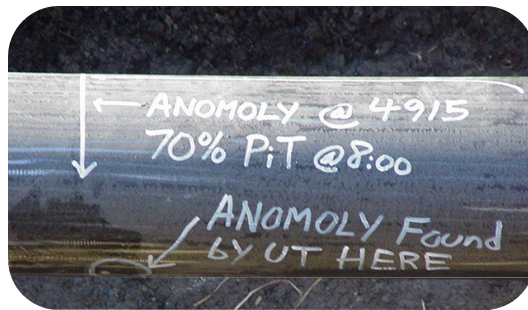
LAUNCH AND RECEIVE BARRELS

CUSTOM BUILT BENDS AND BARRELS

Our Launch and Receive Barrel rentals are available in sizes 3" and up. The addition of spool pieces are available when needed to accommodate specific designs for restricted working areas.



VERIFICATION DIGS & LINE REPAIR



After smart tools are run, verification digs or repairs may be needed.

TNT offers the full service, from excavating the site to locate the damaged pipeline, to installing steel compression sleeves, to cleaning and recoating the pipeline, or doing a cut-out to replace the pipe. Whatever is needed to put the line back in service.

STEEL COMPRESSION SLEEVE INSTALLATION

The PLP Steel Compression sleeve is a CSA approved permanent repair for external corrosion on pipelines.

TNT has the exclusive distribution rights to market these sleeves. **TNT** has certified welders on staff to properly install these compression sleeves.

Examples of set up



These pictures show that over-pressuring of the line does not affect the hoop stress of the sleeved area. However, it will break at a weak point as seen below.



EXCAVATION AND HYDRO-VAC



Whether your pipeline is damaged or needs to be removed completely, **TNT** can provide the services you need. We have the experienced professionals and equipment to get the job done safely and cost effectively.

ABANDONMENT

Before



We have the personnel and equipment to reclaim and restore land back to its original state.

After



RISER INSPECTIONS & REHABILITATION

Weather conditions can cause havoc with pipelines both above and below ground. Our crews inspect these areas by digging up the line and repairing any areas needed, as well as recording the information to give to our clients. If the affected area is beyond the scope of our investigation, we will consult with the client and arrange any further action to be taken.



Before pictures



Examples of our findings

Before

After



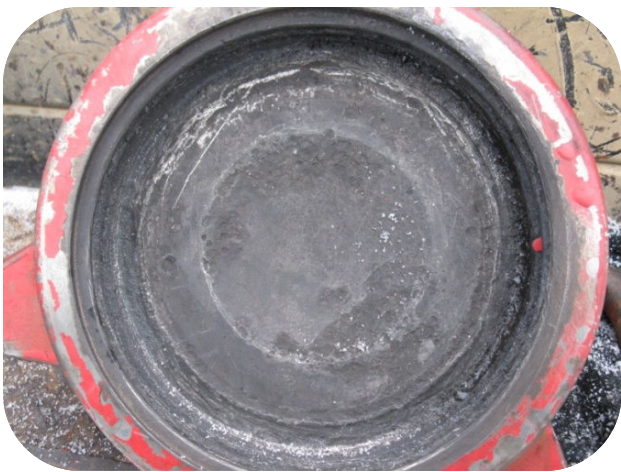
CLOSURE INSPECTIONS



TNT's crews have included closure inspections as part of our integrity programs. Our inspections reveal any and all flaws, damage, corrosion, faulty seals, and we put all of this information into a report for our clients. With further review we are able to help with any repairs necessary.



CLOSURE INSPECTIONS EXAMPLES



PROJECT MANAGEMENT



In a dangerous business it's important to have experienced, responsible people capable of making smart decisions when they are needed most.

Inexperience can cost time and money.

TNT provides these experienced professionals, with the knowledge and background to get the job done right the first time, safely.



**FOR ALL YOUR INTEGRITY NEEDS
GIVE US A CALL**

TNT PIPELINE SERVICES

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