

Tier 3: Transportation Work Permit Orientation

1. Work Permit Training - April 2017

1.1 Untitled Slide



1.2 Life Matters Most

Life Matters Most

At Vale we believe
Life Matters Most and that no
job is worth doing if it cannot be
done safely.



1.3 Untitled Slide

✓ Plant Tour

What you will see on tour



1.4 Transportation Building

Transportation Building

Designated Parking at Transportation



The Compound

For large heavy equipment and product-contaminated trucks

Light Trucks

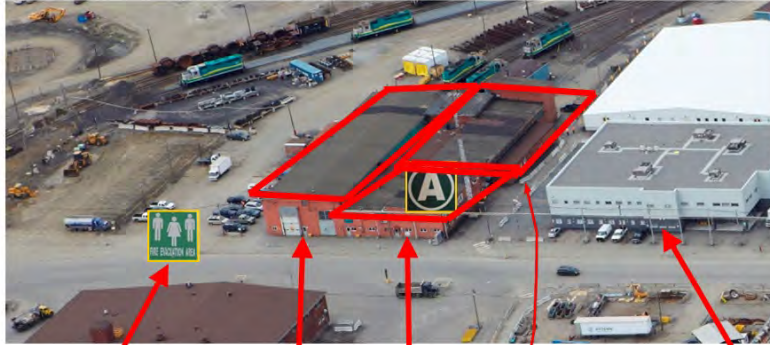
This is for personal vehicles and other light trucks.

Do not park on the designated walkway.

1.5 Transportation Building

Transportation Building

Some of the areas to know around Transportation



Fire Evacuation Area

Loco Shop

Loco Extension
(Door 518)

Smelter Administration
(Learning & Development)



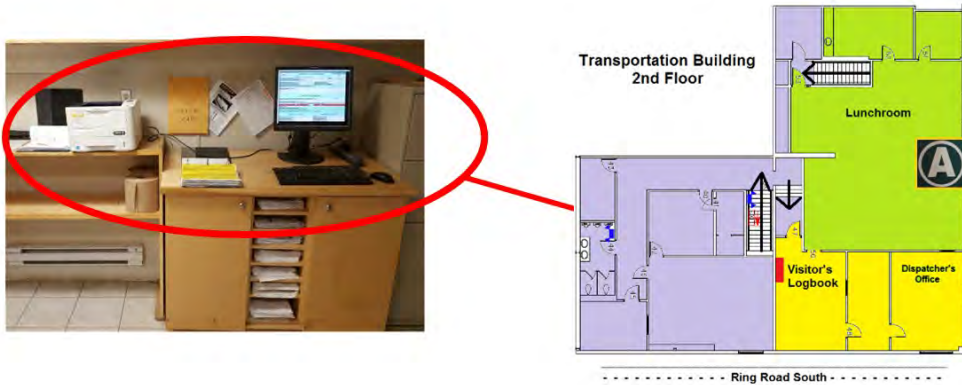
Administration & Upstairs Lunchroom
(Door 519)

1.6 Sign in Location

Sign in Location

All contractors and visitors entering need to be signed in.

When entering the loco shop building at door 519, the visitor's log book and the work permit station is located the on the 2nd floor outside the dispatcher's office.



2. Course Requirements

2.1 Course Requirements



✔ Course Requirements

Tier Three Boundary

2.2 Course Requirements

Course Requirements

To reinforce the value 'life matters most', Vale has implemented a Contractor Site Entry Orientation, which is a graduated process to gain access to areas within a plant or site where work activity takes place.

Tier 1 – Knowledgeable in fundamental operational controls common to Sudbury Operations.

Tier 2 – Can access a complex property but cannot access specific plants.

Tier 3 – Allows access to specific plants within a complex.



- Area or Task Specific: **work permits**

2.3 Course Requirements

Course Requirements

To participate in this Tier 3 Module, non-Vale workers will need the following:

- Norcat Card
- Lenel Card
- Tier 1 Vale Operational Controls
- Applicable Tier 2 Vale Orientation
- Transportation Tier 3 Orientation
- **Proof of Full ZES Training**



3. Course Objectives

3.1 Untitled Slide



✔ Course Objectives

3.2 Course Objectives

Course Objectives

Work Permit Training is a separate training module outside of the scope of orientation alone.

Upon completion of this module, you will be aware of:

- the purpose and requirements of a Transportation Work Permit
- requirements of obtaining a Transportation Work Permit *Variance*.
- pertinent rules from Transportation Handbook of Rules and Special Instructions



3.3 Course Objectives

Course Objectives

Work Permit Training is a separate training module outside of the scope of orientation alone.

Upon completion of this module, you will be aware of:

- energy isolating devices used as protection against hazards of rolling stock
- how to obtain ZES by installing switch locks and /or derails for a work permit.
- requirements of track flag signals



4. Introduction

4.1 Introduction

☑ Introduction

4.2 Transportation Department Overview

Transportation Department Overview

The Transportation Department's primary function is to service other plants by transporting bulk materials by rail or by road.



4.3 Transportation Department Work Permits

Transportation Department Work Permits

The Transportation Department has specific rules and procedures in place to protect their crews work on their rails, as well as specific procedures for other workers performing maintenance or construction projects near or over the tracks.



4.4 Transportation Department Work Permits

Transportation Department Work Permits

Transportation Track work permits are required when performing work within 12 feet (3.6m) of Transportation Tracks.

A work permit is usually also required when working overhead.

This training package will qualify you to obtain work permits.



5. Work Permit Procedure

5.1 *Untitled Slide*



✔ Work Permit Procedure

5.2 Transportation Work Permits

Transportation Work Permits



Work Permit Procedure

P66 TRC 98-001

The work permit procedure has been created to:

- protect workers performing work within 12 feet of the tracks from rolling stock, and,
- protect rail equipment from impassable track due to that work



5.3 Transportation Work Permits

Transportation Work Permits



Work Permit Procedure - Protection

Non-Vale employees must comply with our ZES program for personal protection when obtaining a work permit.



5.4 Transportation Work Permits

Transportation Work Permits



Work Permit Procedure - Protection

There are other logistic forms of protection that can be used in certain cases when ZES is not obtainable or practical.

- Lookout protection, and
- Flagman Protection



**ONLY qualified Vale
Transportation
Employees can perform
these procedures!**

5.5 Transportation Work Permits

Transportation Work Permits



Work Permit Procedure Variance

Work permit variances are alternative specific procedures created for specific work groups performing normal routine work. They must be:

- created jointly with Transportation and the affected work group, and
- approved by the Transportation Manager based on a risk assessment.



5.6 Transportation Work Permits

Transportation Work Permits



Work Permit Procedure Variance

Some examples of current work permit variances:

- Acid Plant Operation Inspection of Safety Showers (61RZA005)
- Contactor Cleaning in Skull Pit Area (P66 MISC 14-001)
- Loading ore cars at Creighton or Stobie mines



6. Transportation Handbook of Rules

6.1 *Untitled Slide*



✓ Transportation Handbook of Rules

6.2 Transportation Handbook of Rules

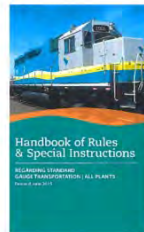
Transportation Handbook of Rules

Handbook of Rules and Special Instructions

The following slides are for awareness for any employee working under the authority of the Transportation Department.



Your Vale Transportation contact is your essential source of all other information once you begin work! They shall provide all other rules, policies or procedures that may apply to the work being performed.



6.3 Transportation Handbook of Rules

Transportation Handbook of Rules

Handbook of Rules and Special Instructions

(section1)

11.01 - Vale employees in any department and non-vale employees connected with the movement of trains, including the use of track switches, track work, are subject to all applicable rules and shall;

- 11.02 - Be subject to and conversant with these rules;
- 11.04 – Communicate by the quickest available means to proper Transportation Supervision any condition which may affect the safe operation on rail;
- 11.05 - Obtain assistance when required to control a harmful or dangerous condition;



6.4 Transportation Handbook of Rules

Transportation Handbook of Rules

Handbook of Rules and Special Instructions

(section1)

11.01 - Vale employees in any department and non-vale employees connected with the movement of trains, including the use of track switches, track work, are subject to all applicable rules and shall;

- 11.07- Expect the movement of equipment at any time, on any track and in either direction;
- 11.09 - Not stand on the track in front of an approaching engine or train;
- 11.10 - Not stand or walk between rails;



6.5 Transportation Handbook of Rules

Transportation Handbook of Rules

Handbook of Rules and Special Instructions

(section1)

11.01 - Vale employees in any department and non-vale employees connected with the movement of trains, including the use of track switches, track work, are subject to all applicable rules and shall;

- 11.12 - Have a firm footing and grip, exert steady pull, keep clear and see that others are clear of moving parts when lining a switch.



Track switch



7. Transportation MSD Injury Prevention

7.1 *Untitled Slide*



✔ Transportation MSD Injury Prevention

7.2 MSD Injuries

MSD Injuries

MSD injuries (musculoskeletal disorder) comprise of about 40% of all reported injuries.

MSD injuries include sprains, strains, breaks or dislocations caused by physical movements that are forceful, awkward, or repetitive.

Reducing these high risk activities will reduce MSD injuries. Proper switch lining is just one example.



7.3 General Hazards – MSD Injuries

General Hazards – MSD Injuries

The portable derail storage lockers were designed to enable workers to lift portable derails (18-36kg) from the waist level instead of having to pick them up off the ground, preventing an MSD injury.



Be aware of other MSD hazards in the workplace and adjust your work to avoid them!

8. Using ZES with Work Permits

8.1 *Untitled Slide*



Using ZES with Work Permits

8.2 Hazard - Rail Movement

Hazard - Rail Movement

General Hazard

- Rail movement



8.3 Hazard - Rail Movement

Hazard - Rail Movement

Failure to understand the rail network's complexity can result in a number of different hazards:

- Communication failures can lead to trains colliding with each other or other pieces of equipment.
- Unexpected movements can result in struck-by personal injury
- Improperly lined switches can result in trains entering restricted areas or even cause derailments.



8.4 Hazard Control

Hazard Control

Hazard Controls

Zero Energy State - ZES

(Golden Rule #4)

Definitions:

Energy Isolating Device

- a mechanical device that physically prevents the transmission or release of energy (such as movement of rolling stock).

Tagger

- a qualified worker who installs and removes his/her personal protection and manages status tags.



8.5 Using ZES with Work Permits

Using ZES with Work Permits

Zero Energy State Rule Review

Only a Tagger can install/remove his/her personal protection.

When the worker has not been trained as a Tagger, a **Designated Tagger** will instruct the worker to install their red lock on the locking device(s) or will put a lock box in place.

Do not operate an energy isolating device unless qualified and authorized to do so.

Qualified – A competent person designated by his/her employer as qualified because of knowledge, training and experience to safely perform an assigned task.



8.6 Using ZES with Work Permits

Using ZES with Work Permits

Responsibilities

It is the supervisor's responsibility to ensure that their employees are properly trained, qualified and current

(ZES modules 1 to 3 are minimum requirements to lock and tag)

- Supervisors require ZES module 4 to know their additional responsibilities under the Health and Safety Act.
- Every person working under the protection of a Transportation work permit shall install their own approved personal protection lock and tag and ensure that ALL energy sources are:

- ✓ isolated
- ✓ locked
- ✓ tagged

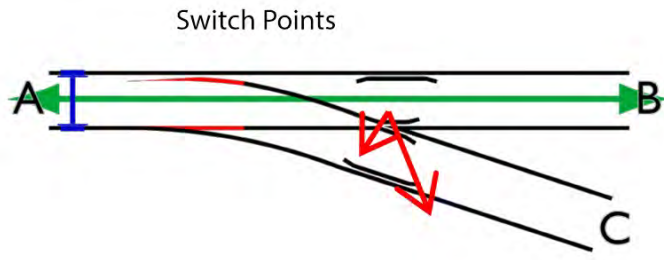


8.7 Using ZES with Work Permits

Using ZES with Work Permits

Energy Isolating Devices – Switch Locks

Locks that are placed on a track switch that has been lined away from the work area would isolate the tracks being worked on or near.



8.8 Using ZES with Work Permits

Using ZES with Work Permits

A tagger must ensure the switch is lined in the proper direction!

- Trains will travel towards the track on the side of the switch with the open point.
- Be sure the switch points are set to direct rail traffic away from the work area,
- Ensure the switch point on the closed side is tight!



8.9 Transportation Work Permits

Transportation Work Permits

Work Permit Procedure - Protection

Non-Vale employees must comply with our ZES program for personal protection when obtaining a work permit.

Handbook of Rules and Special Instructions

(section 10)

60.03 – When protection of workers from rail movement is required, the alignment and locking of a track switch away from the work area is the preferred method of protection



8.10 Transportation Work Permits

Transportation Work Permits

Work Permit Procedure – Protection

Non-Vale employees must comply with our ZES program for personal protection when obtaining a work permit.

Handbook of Rules and Special Instructions

(section10)

60.04 – If it is not practical to align a track switch away from the work area, a derail must be installed



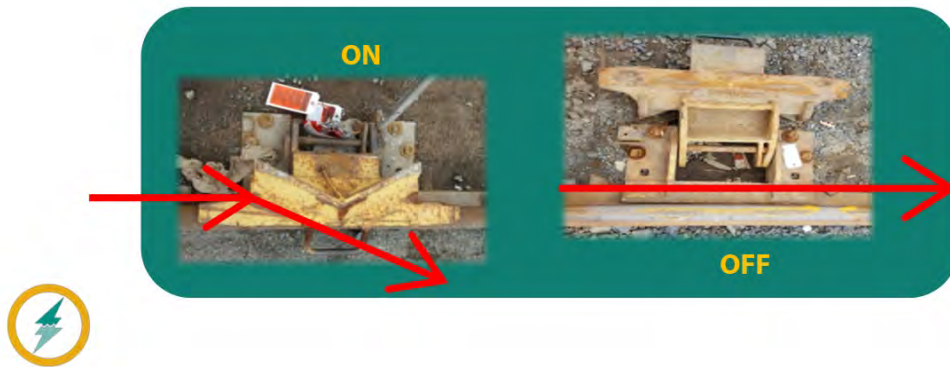
8.11 Using ZES with Work Permits

Transportation Work Permits

Energy Isolating Devices – Derails

A track device used to derail a train or rolling stock in the case of an emergency. A permanent derail can be positioned:

- ON position which would derail a train, or
- OFF position to allow train passage.



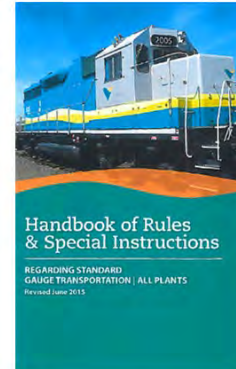
8.12 Transportation Handbook of Rules

Transportation Handbook of Rules

Handbook of Rules and Special Instructions (section 4)

27.03 – Each derail must be left in the derailing position when:

- a) protecting doors;
- b) protecting work sites;
- c) protecting equipment
- d) protecting loading or unloading sites

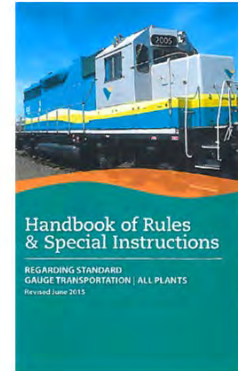


8.13 Transportation Handbook of Rules

Transportation Handbook of Rules

Handbook of Rules and Special Instructions (section 4)

27.05 – Derails will be locked in the derailing position when being used as personal protection and/or when directed by special instruction.

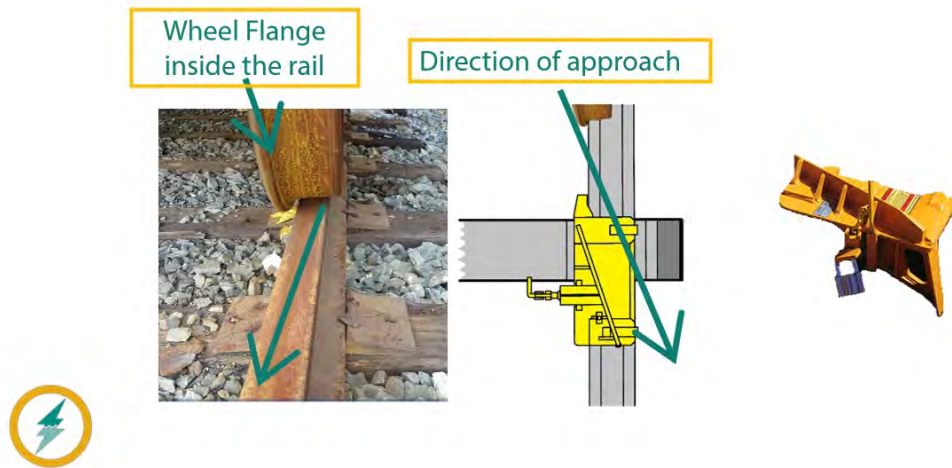


8.14 Using ZES with Work Permits

Using ZES with Work Permits

Derails

The function of the derail is to guide the flange of the rolling stock or locomotive over and towards the outside the rails, on to the ground.

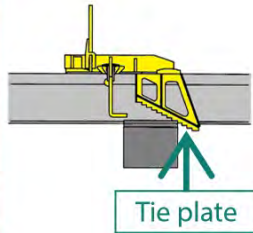


8.15 Using ZES with Work Permits

Using ZES with Work Permits

Derails

- Portable derails must be secured and locked flush to the rail.
- The graduated teeth must be against the corner of the tie or tie plate

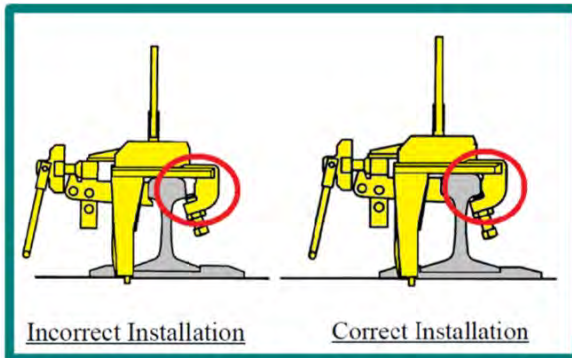


8.16 Using ZES with Work Permits

Using ZES with Work Permits

Derails

- Portable derails must be secured and locked flush to the rail.
- The graduated teeth must be against the corner of the tie or tie plate



9. Rail Signals

9.1 *Untitled Slide*

✓ Rail Signals

9.2 Transportation Work Permit Example

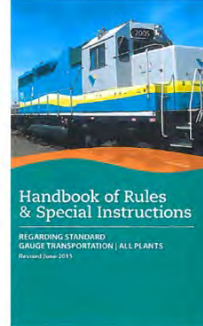
Transportation Work Permit Example

Handbook of Rules and Special Instructions

(section 3)

23.02 – Protection signals will be placed to protect people, equipment, impassable track, and designated work areas.

23.05 – Before undertaking any work which may render the track unsafe for train movement, workers must display appropriate protection signals



9.3 Transportation Work Permit Example

Transportation Work Permit Example

The Transportation Flag Lockers are located on the West side of the Transportation Building.



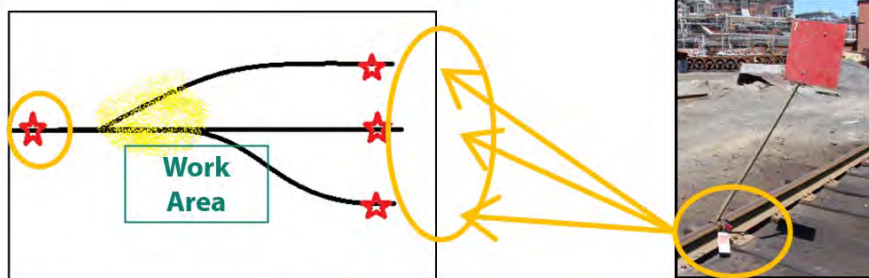
9.4 Transportation Work Permit Example

Transportation Work Permit Example

The Transportation Flag Lockers are located on the West side of the Transportation Building.

- Must be clamped securely to the rail with flag positioned in between the rails
- Must be visible from all directions of travel
- Must be tagged

Flags **must** be returned to the lockers after their use.



9.5 Transportation Work Permit Example

Transportation Work Permit Example



Switch is properly lined
Lock it – Tag it



Flag the track
Tag it



Place a derail?
Lock it - Tag it

10. Work Permit Example

10.1 *Untitled Slide*



✓ Work Permit Example

10.2 Transportation Work Permit Definitions

Transportation Work Permit Definitions

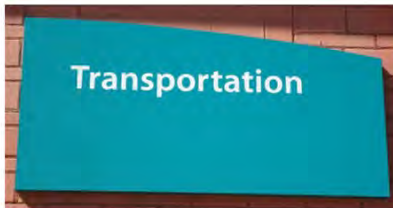
Work Permit is written permission to work within 12 feet of tracks.

Vale Project Sponsor is the Vale contact person that is assigned to provide Transportation a scope of work including but not limited to:

- ensuring all members of the work group has proper site safety training,
- ensuring all safety procedures and policies are planned into the work.

Designated Contact is the worker who completes the Work Permit Form

- is in contact with the Train Dispatcher in the case of an emergency.



10.3 Transportation Work Permit

Transportation Work Permit

When the scope of work is generated by the Transportation Department:

- ✓ The **Project Sponsor**, in conjunction with the Train Dispatcher, will determine the level of protection required
- ✓ The train Dispatcher will verify the details required of the Work Permit

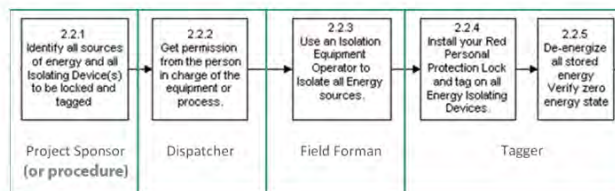


10.4 Transportation Work Permit Responsibilities

Transportation Work Permit Responsibilities

When the scope of work is generated by others and approved by Transportation

- ✓ The Sponsor will designate a worker provide a completed work permit
- ✓ Train Dispatcher will grant permission by signing the work permit
- ✓ Level of protection must be **approved** and **confirmed** by the Transportation Department's Field Supervisor
- ✓ Transportation Field Supervisor will demonstrate proper aligning of track switches, placement of locks, tags, flags and/or derails that may be used as protection, or act as the designated tagger.



10.5 Transportation Work Permit Responsibilities

Transportation Work Permit Responsibilities

Project Sponsor plans the work.

Determines level of protection for tagger - protection can be listed in a procedure

Train Dispatcher is the equipment owner:

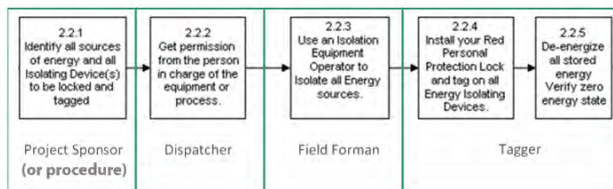
Grants permission to lock and tag tracks- verifies then signs the work permit

Field Supervisor acts as designated tagger if Designated Contact is not qualified

- Works with the dispatcher but in the field
- Verifies personal protection in the field

Designated Contact must communicate details of work permit to work crew;

- Ensures work remains within the specified boundaries
- must not leave the plant and remain in contact with the dispatcher



10.6 Transportation Work Permit Responsibilities

Transportation Work Permit Responsibilities

Workers obtaining a work permit shall:

- ✓ Fill in all required fields in appropriate locations.

The work permit will not print if all required fields are not filled in.

- ✓ Print the work permit, sign it and with approval by the Train Dispatcher
- ✓ File a copy of the Work Permit in the "Open Permits" section in the binder
- ✓ Keep a copy of the work permit on the jobsite
- ✓ When work has been completed and/or protection removed, the Designated Contact will sign off the original work permit **with** the dispatcher, terminating the work permit



10.7 Transportation Work Permit Example

Transportation Work Permit Responsibilities



The following is an example that illustrates the process of filling out a work permit:

ACME Construction has been awarded the following work:

- change all the rail ties on the Heat Station Track

10.8 Transportation Work Permit Example

Transportation Work Permit Responsibilities

The screenshot shows a Microsoft Word document titled '971.xls' containing a 'TRANSPORTATION WORK PERMIT' form. A red circle highlights the 'WORK PERMIT NUMBER' field, which contains the value '1150'. The form includes various sections for project information, protection requirements, and signatures.

TRANSPORTATION WORK PERMIT	
PRINT	
WORK PERMIT NUMBER: 1150	
VALE PROJECT SPONSOR: _____ DATE: 8-Feb-12	
PROJECT SPONSOR PHONE NUMBER: _____	
DEPARTMENT OR COMPANY: _____	DESIGNATED CONTACT: _____
NORCAT or VALE SERIAL NUMBER: _____	DESIGNATED CONTACT NUMBER: _____
YES TRAINING: Are all workers under this permit qualified? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
SCOPE OF WORK: _____	
PROTECTION REQUIRED	
IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE: _____	
PROJECTED DURATION OF WORK: _____	
IDENTIFY THE TYPE OF PROTECTION REQUIRED	
DETAILS: <input checked="" type="checkbox"/> STAGMMS <input checked="" type="checkbox"/> SWITCH LOCKS <input checked="" type="checkbox"/> LOCK OUT <input checked="" type="checkbox"/>	
FLAGS: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
EXTENDED WORK PERMIT REQUIRED: NO <input type="checkbox"/> YES <input type="checkbox"/>	
IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT	
TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)	
SIGNATURES TO OPEN PERMIT	
DATE: 2/8/2012 13:23	DATE: _____
DESIGNATED CONTACT: _____	DESIGNATED CONTACT: _____
DISPATCHER: _____	DISPATCHER: _____
SIGNATURES TO CLOSE PERMIT	

The **Permit Number** refers to a sequential number assigned to each new work permit which is automatically generated.

10.9 Transportation Work Permit Example

Transportation Work Permit Responsibilities

The screenshot shows a Microsoft Word document titled "TRANSPORTATION WORK PERMIT". The form includes fields for "PRINT", "WORK PERMIT NUMBER" (1150), "DATE" (8-Feb-12), "VALE PROJECT SPONSOR", "PROJECT SPONSOR PHONE NUMBER", "DEPARTMENT OR COMPANY", "DESIGNATED CONTACT", "HORCAT or VALE SERIAL NUMBER", "DESIGNATED CONTACT NUMBER", "YES TRAINING: Are all workers under this permit qualified" (YES ☒ NO ☐) and "SCOPE OF WORK". A section titled "PROTECTION REQUIRED" includes "IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE", "PROJECTED DURATION OF WORK", "IDENTIFY THE TYPE OF PROTECTION REQUIRED" (with checkboxes for DETAILS, ST ADMIN, SWITCH LOCKS, and LOCK OUT), "FLAGS: YES ☐ NO ☒", "EXTENDED WORK PERMIT REQUIRED: NO ☐ YES ☐", and "IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT". The bottom section is "TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)" with "SIGNATURES TO OPEN PERMIT" and "SIGNATURES TO CLOSE PERMIT" fields, each with "DATE", "DESIGNATED CONTACT", and "DISPATCHER" sub-fields. A red circle highlights the "DATE" field.

The **Date** is generated automatically.

A regular Work Permit is only valid for the day on which it was generated.

It must be surrendered at the end of the work period, and a new work permit must be taken out the next day if work is to be continued.

10.10 Transportation Work Permit Example

Transportation Work Permit Responsibilities

The screenshot shows a 'TRANSPORTATION WORK PERMIT' form. A red circle highlights the 'PROJECT SPONSOR' field, which contains the text 'Ray Tremblay - Transportation'. A red arrow points from this field to the explanatory text on the right. The form includes fields for 'WORK PERMIT NUMBER' (1150), 'DATE' (8-Feb-12), 'DEPARTMENT OR COMPANY', 'DESIGNATED CONTACT', 'NORCAT or VALE SERIAL NUMBER', 'DESIGNATED CONTACT NUMBER', 'YES TRAINING: Are all workers under this permit qualified' (YES ☒ NO ☐) and 'SCOPE OF WORK'. Below this is a 'PROTECTION REQUIRED' section with fields for 'IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE', 'PROJECTED DURATION OF WORK', 'IDENTIFY THE TYPE OF PROTECTION REQUIRED', 'SIGNALS' (YES ☒ NO ☐) 'ADMIN' (YES ☒ NO ☐) 'SWITCH LOCKS' (YES ☒ NO ☐) 'LOCK OUT' (YES ☒ NO ☐) 'FLAGS' (YES ☐ NO ☒) 'EXTENDED WORK PERMIT REQUIRED' (NO ☐ YES ☐) and 'IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT'. At the bottom are sections for 'SIGNATURES TO OPEN PERMIT' and 'SIGNATURES TO CLOSE PERMIT', each with fields for 'DATE', 'DESIGNATED CONTACT', and 'DISPATCHER'.

The **Project Sponsor** refers to the person requesting the work to be performed.

If the sponsor is not a Transportation employee he is responsible for providing the Transportation Department the scope of work.

The sponsor must also ensure all members of the work group have all proper safety training.

10.11 Transportation Work Permit Example

Transportation Work Permit Responsibilities

The image shows a screenshot of a Microsoft Word document titled "TRANSPORTATION WORK PERMIT". The form is divided into several sections. The top section includes a "PRINT" button and a "WORK PERMIT NUMBER" field with the value "1150". Below this, the "VALE PROJECT SPONSOR:" field is filled with "Ray Tremblay - Transportation". The "PROJECT SPONSOR PHONE NUMBER:" field is filled with "706-556-5656", which is circled in red. A red arrow points from this field to a text box on the right. The "DATE:" field is filled with "8-Feb-12". The "DEPARTMENT OR COMPANY:" field is empty. The "DESIGNATED CONTACT:" field is empty. The "NORCAT or VALE SERIAL NUMBER:" field is empty. The "DESIGNATED CONTACT NUMBER:" field is empty. The "YES TRAINING: Are all workers under this permit qualified" field is filled with "YES". The "SCOPE OF WORK" section is empty. The "PROTECTION REQUIRED" section is highlighted in red. It includes fields for "IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE:", "PROJECTED DURATION OF WORK:", and "IDENTIFY THE TYPE OF PROTECTION REQUIRED:". The "TYPE OF PROTECTION REQUIRED" field is filled with "STANDARD". The "EXTENDED WORK PERMIT REQUIRED:" field is filled with "NO". The "IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT" field is empty. The "TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)" section is empty. The "SIGNATURES TO OPEN PERMIT" section includes fields for "DATE:" (filled with "2/8/2012 13:24"), "DESIGNATED CONTACT:", and "DISPATCHER:". The "SIGNATURES TO CLOSE PERMIT" section includes fields for "DATE:", "DESIGNATED CONTACT:", and "DISPATCHER:".

The Project Sponsor's Phone Number

The project sponsor would need to be contacted if the scope of work changes affecting the level of protection required.

10.12 Transportation Work Permit Example

Transportation Work Permit Responsibilities

The screenshot shows a 'TRANSPORTATION WORK PERMIT' form. A red circle highlights the 'DEPARTMENT OR COMPANY' field, which contains 'ACME Construction'. A red arrow points from this field to a text box on the right. The form includes fields for 'VALE PROJECT SPONSOR', 'PROJECT SPONSOR PHONE NUMBER', 'DATE', 'WORK PERMIT NUMBER', 'DESIGNATED CONTACT', 'DESIGNATED CONTACT NUMBER', 'SCOPE OF WORK', 'PROTECTION REQUIRED', 'IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE', 'PROJECTED DURATION OF WORK', 'IDENTIFY THE TYPE OF PROTECTION REQUIRED', 'EXTENDED WORK PERMIT REQUIRED', and 'TRANSPORTATION SUPERVISOR APPROVAL'. The 'DEPARTMENT OR COMPANY' field is circled in red, and a red arrow points from it to the text box on the right.

TRANSPORTATION WORK PERMIT		WORK PERMIT NUMBER
VALE PROJECT SPONSOR:	Ray Tremblay - Transportation	1430
PROJECT SPONSOR PHONE NUMBER:	705-555-5555	DATE: 8-Feb-12
DEPARTMENT OR COMPANY:	ACME Construction	DESIGNATED CONTACT:
NORCAT or VALE SERIAL NUMBER:		DESIGNATED CONTACT NUMBER:
YES TRAINING: Are all workers under this permit qualified	YES <input type="checkbox"/> NO <input type="checkbox"/>	
SCOPE OF WORK:		
PROTECTION REQUIRED		
IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE:		
PROJECTED DURATION OF WORK:		
IDENTIFY THE TYPE OF PROTECTION REQUIRED		
DETAILS: <input type="checkbox"/> STAGMMS <input type="checkbox"/> SWITCH LOCKS <input type="checkbox"/> LOCK OUT <input type="checkbox"/>		
FLAGS: YES <input type="checkbox"/> NO <input type="checkbox"/>		
EXTENDED WORK PERMIT REQUIRED: NO <input type="checkbox"/> YES <input type="checkbox"/>		
IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT		
TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)		
SIGNATURES TO OPEN PERMIT		SIGNATURES TO CLOSE PERMIT
DATE:	2/8/2012 13:25	DATE:
DESIGNATED CONTACT:		DESIGNATED CONTACT:
DISPATCHER:		DISPATCHER:

The **Department or Company** refers to who is doing the work.

In this case, the work is being performed by *ACME Construction*.

10.13 Transportation Work Permit Example

Transportation Work Permit Responsibilities

The image shows a screenshot of a 'TRANSPORTATION WORK PERMIT' form. A red circle highlights the 'DESIGNATED CONTACT' field, which contains the name 'John Dough'. The form includes various fields for project information, dates, and signatures.

TRANSPORTATION WORK PERMIT		WORK PERMIT NUMBER
PRINT		1150
VALE PROJECT SPONSOR:	Ray Tremblay - Transportation	DATE: 9-Feb-12
PROJECT SPONSOR PHONE NUMBER:	705-555-5555	
DEPARTMENT OR COMPANY:	ACME Construction	DESIGNATED CONTACT: John Dough
NORCAT or VALE SERIAL NUMBER:		DESIGNATED CONTACT NUMBER:
YES TRAINING: Are all workers under this permit qualified		YES <input type="checkbox"/> NO <input type="checkbox"/>
SCOPE OF WORK		
PROTECTION REQUIRED		
IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE:		
PROJECTED DURATION OF WORK		
IDENTIFY THE TYPE OF PROTECTION REQUIRED		
DETAILS: <input type="checkbox"/> FLAGMAN <input type="checkbox"/> SWITCH LOCKS <input type="checkbox"/> LOCK OUT <input type="checkbox"/>		
FLAGS: YES <input type="checkbox"/> NO <input type="checkbox"/> VALEM		
EXTENDED WORK PERMIT REQUIRED: NO <input type="checkbox"/> YES <input type="checkbox"/>		
IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT		
TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)		
SIGNATURES TO OPEN PERMIT		SIGNATURES TO CLOSE PERMIT
DATE:	2/8/2012 13:34	DATE:
DESIGNATED CONTACT:		DESIGNATED CONTACT:
DISPATCHER:		DISPATCHER:

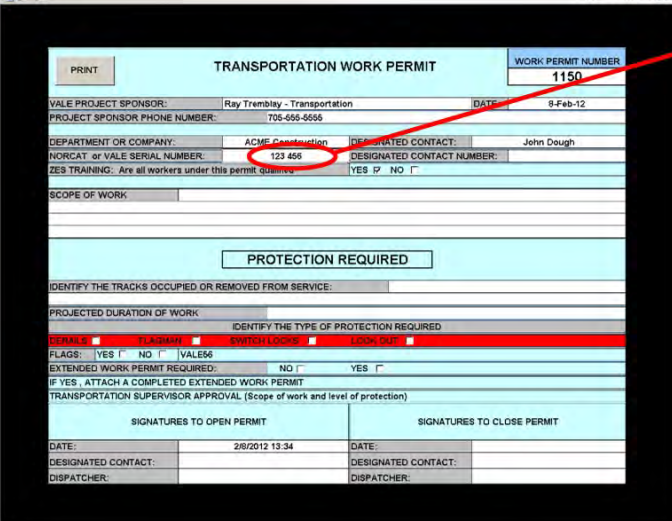
The **Designated Contact** refers to the person who completes the work permit.

The Designated Contact must be within the plant and readily available to be contacted by the Train Dispatcher.



10.14 Transportation Work Permit Example

Transportation Work Permit Responsibilities



Microsoft Word - 971.xls

PRINT

TRANSPORTATION WORK PERMIT

WORK PERMIT NUMBER: 1150

VALE PROJECT SPONSOR: Ray Tremblay - Transportation

PROJECT SPONSOR PHONE NUMBER: 706-656-6656

DATE: 9-Feb-12

DEPARTMENT OR COMPANY: ACME Construction

NORCAT or VALE SERIAL NUMBER: 123 456

DESIGNATED CONTACT: John Dough

DESIGNATED CONTACT NUMBER:

YES TRAINING: Are all workers under this permit qualified? YES ☐ NO ☐

SCOPE OF WORK:

PROTECTION REQUIRED

IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE:

PROJECTED DURATION OF WORK:

IDENTIFY THE TYPE OF PROTECTION REQUIRED

DETAILS: ☐ FLAGMEN ☐ SWITCH LOCKS ☐ LOCK OUT ☐

FLAGS: YES ☐ NO ☐ VALEM

EXTENDED WORK PERMIT REQUIRED: NO ☐ YES ☐

IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT

TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)

SIGNATURES TO OPEN PERMIT

DATE: 2/6/2012 13:34

DESIGNATED CONTACT:

DISPATCHER:

SIGNATURES TO CLOSE PERMIT

DATE:

DESIGNATED CONTACT:

DISPATCHER:

The **Norcat Number** refers to the Designated Contact's NORCAT number or Vale Serial Number.



10.15 Transportation Work Permit Example

Transportation Work Permit Responsibilities

Microsoft Word - 971.xls

PRINT

TRANSPORTATION WORK PERMIT

WORK PERMIT NUMBER: 1150

VALE PROJECT SPONSOR: Ray Tremblay - Transportation DATE: 8-Feb-12

PROJECT SPONSOR PHONE NUMBER: 706-666-6666

DEPARTMENT OR COMPANY: ACME Construction DESIGNATED CONTACT: John Deugh

NORCAT or VALE SERIAL NUMBER: 123 456 DESIGNATED CONTACT NUMBER: 706-600-1234

YES TRAINING: Are all workers under this permit qualified YES ☐ NO ☐

SCOPE OF WORK:

PROTECTION REQUIRED

IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE:

PROJECTED DURATION OF WORK:

IDENTIFY THE TYPE OF PROTECTION REQUIRED

DETAILS: ☐ STAGMANT ☐ SWITCH LOCKS ☐ LOCK OUT

FLAGS: YES ☐ NO ☐ VALEM

EXTENDED WORK PERMIT REQUIRED: NO ☐ YES ☐

IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT

TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)

SIGNATURES TO OPEN PERMIT

DATE: 2/8/2012 13:34

DESIGNATED CONTACT:

DISPATCHER:

SIGNATURES TO CLOSE PERMIT

DATE:

DESIGNATED CONTACT:

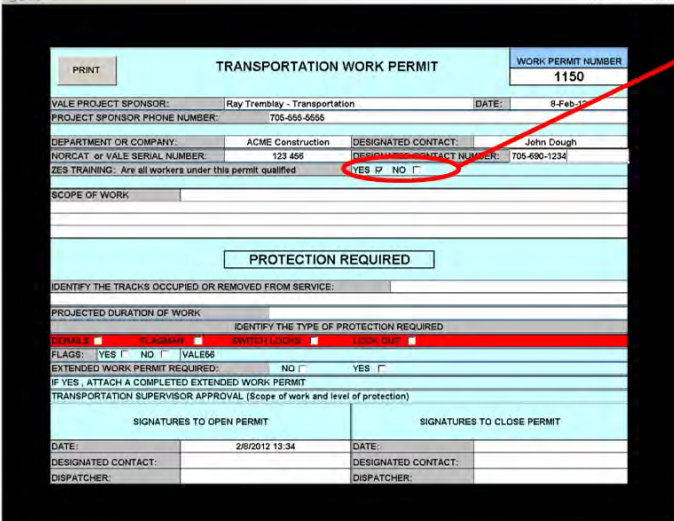
DISPATCHER:

The **Designated Contact Number** refers to a cell phone number, radio or other device that enables the Train Dispatcher to communicate with the Designated Contact



10.16 Transportation Work Permit Example

Transportation Work Permit Responsibilities



The screenshot shows a 'TRANSPORTATION WORK PERMIT' form. A red circle highlights the 'ZES TRAINING: Are all workers under this permit qualified' field, which has 'YES' selected. A red arrow points from the text 'ZES qualified' to this field.

TRANSPORTATION WORK PERMIT		WORK PERMIT NUMBER
PRINT		1150
VALE PROJECT SPONSOR:	Ray Tremblay - Transportation	DATE: 8-Feb-12
PROJECT SPONSOR PHONE NUMBER:	705-655-5656	
DEPARTMENT OR COMPANY:	ACME Construction	DESIGNATED CONTACT: John Dough
NORCAT or VALE SERIAL NUMBER:	123 456	DESIGNATED CONTACT NUMBER: 705-690-1234
ZES TRAINING: Are all workers under this permit qualified	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
SCOPE OF WORK:		
PROTECTION REQUIRED		
IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE:		
PROJECTED DURATION OF WORK:		
IDENTIFY THE TYPE OF PROTECTION REQUIRED		
DETAILS: <input checked="" type="checkbox"/> FLAGMAN <input type="checkbox"/> SWITCH LOCKS <input type="checkbox"/> LOCK OUT		
FLAGS: YES <input type="checkbox"/> NO <input type="checkbox"/> VALEM		
EXTENDED WORK PERMIT REQUIRED: NO <input type="checkbox"/> YES <input type="checkbox"/>		
IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT		
TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)		
SIGNATURES TO OPEN PERMIT		SIGNATURES TO CLOSE PERMIT
DATE: 2/8/2012 13:34		DATE:
DESIGNATED CONTACT:		DESIGNATED CONTACT:
DISPATCHER:		DISPATCHER:

ZES qualified refers to the ZES training applicable to the work being performed.

All taggers working under the protection of a work permit must be ZES trained and qualified.



10.17 Transportation Work Permit Example

Transportation Work Permit Responsibilities

The screenshot shows a 'TRANSPORTATION WORK PERMIT' form. A red circle highlights the 'SCOPE OF WORK' section, which contains the text: 'Changing all rail ties on heat station track' and 'May require special equipment'. A red arrow points from this section to the explanatory text on the right.

TRANSPORTATION WORK PERMIT		WORK PERMIT NUMBER
PRINT		1150
VALE PROJECT SPONSOR:	Ray Tremblay - Transportation	DATE: 8-Feb-12
PROJECT SPONSOR PHONE NUMBER:	705-655-5555	
DEPARTMENT OR COMPANY:	ACME Construction	DESIGNATED CONTACT: John Dough
NORCAT or VALE SERIAL NUMBER:	123 456	DESIGNATED CONTACT NUMBER: 705-690-1234
YES TRAINING: Are all workers under this permit qualified		YES <input type="checkbox"/> NO <input type="checkbox"/>
SCOPE OF WORK: Changing all rail ties on heat station track May require special equipment		
PROTECTION REQUIRED		
IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE:		
PROJECTED DURATION OF WORK:		
IDENTIFY THE TYPE OF PROTECTION REQUIRED		
SIGNALS: <input type="checkbox"/> PLACARDS: <input type="checkbox"/> SYSTEM LOCKS: <input type="checkbox"/> LOCKS OUT: <input type="checkbox"/>		
FLAGS: YES <input type="checkbox"/> NO <input type="checkbox"/> VALES: <input type="checkbox"/>		
EXTENDED WORK PERMIT REQUIRED: NO <input type="checkbox"/> YES <input type="checkbox"/>		
IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT		
TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)		
SIGNATURES TO OPEN PERMIT		SIGNATURES TO CLOSE PERMIT
DATE: 2/8/2012 13:35		DATE:
DESIGNATED CONTACT:		DESIGNATED CONTACT:
DISPATCHER:		DISPATCHER:

The **Scope of Work** describes the work being performed

More detail may be required to ensure proper level of protection is obtained

NOTE: If there are changes to the Scope of Work that go outside of the boundaries originally stated by the project Sponsor, a new Work Permit must be taken

10.18 Transportation Work Permit Example

Transportation Work Permit Responsibilities

Microsoft Word - 8711.xls

PRINT

TRANSPORTATION WORK PERMIT

WORK PERMIT NUMBER: 1150

VALE PROJECT SPONSOR: Ray Tremblay - Transportation DATE: 9-Feb-12

PROJECT SPONSOR PHONE NUMBER: 705-655-5555

DEPARTMENT OR COMPANY: ACME Construction DESIGNATED CONTACT: John Dough

WORKCAT. or VALE SERIAL NUMBER: 123 456 DESIGNATED CONTACT NUMBER: 705-690-1234

YES TRAINING: Are all workers under this permit qualified? YES ☒ NO ☐

SCOPE OF WORK: Changing all rail ties on heat station track
May require special equipment

PROTECTION REQUIRED

IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE: Heat Station Track, SL-25, SL-26

PROJECTED DURATION OF WORK: _____

IDENTIFY THE TYPE OF PROTECTION REQUIRED

DERAILS ☒ FLAGGING ☒ SWITCH LOCKS ☒ LOCK OUT ☒

FLAGS: YES ☐ NO ☐ VALES ☐

EXTENDED WORK PERMIT REQUIRED: NO ☐ YES ☐

IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT

TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)

SIGNATURES TO OPEN PERMIT

DATE: 2/8/2012 13:38

DESIGNATED CONTACT: _____

DISPATCHER: _____

SIGNATURES TO CLOSE PERMIT

DATE: _____

DESIGNATED CONTACT: _____

DISPATCHER: _____

The **Tracks Occupied or Removed from Service** identifies by name, which tracks need to be taken out of service to protect workers working under the Work Permit .

Switch numbers may also be identified if required



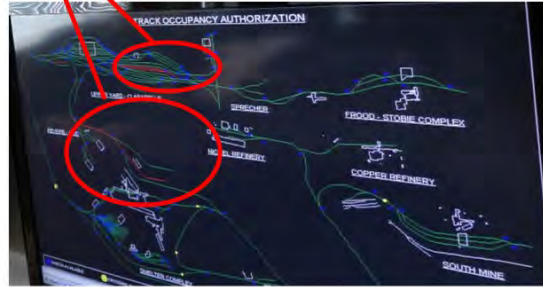
10.19 Transportation Work Permit Example

Transportation Work Permit Responsibilities

The dispatcher has many information boards to help dispatch safely, including the Track Occupancy Authorization Board (TOA).



The **Tracks Occupied or Removed from Service** indicates to the dispatcher which tracks need to be taken out of service on his TOA board (highlighted in red) to direct train traffic away from protected workers.



10.20 Transportation Work Permit Example

Transportation Work Permit Responsibilities

The screenshot shows a 'TRANSPORTATION WORK PERMIT' form. A red circle highlights the 'PROJECTED DURATION OF WORK' field, which contains the text '12 hours'. A red arrow points from this field towards the explanatory text on the right.

TRANSPORTATION WORK PERMIT		WORK PERMIT NUMBER
PRINT		1150
VALE PROJECT SPONSOR:	Ray Tremblay - Transportation	DATE: 8-Feb-12
PROJECT SPONSOR PHONE NUMBER:	705-655-5656	
DEPARTMENT OR COMPANY:	ACME Construction	DESIGNATED CONTACT: John Doughty
NORCAT or VALE SERIAL NUMBER:	123 456	DESIGNATED CONTACT NUMBER: 705-600-1234
YES TRAINING: Are all workers under this permit qualified	YES <input type="checkbox"/> NO <input type="checkbox"/>	
SCOPE OF WORK	Changing all rail ties on heat station track May require special equipment	
PROTECTION REQUIRED		
IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE: Heat Station Track, SL-25, SL-26		
PROJECTED DURATION OF WORK: 12 hours		
IDENTIFY THE TYPE OF PROTECTION REQUIRED		
DETAILS: <input type="checkbox"/> FLAGMAN <input type="checkbox"/> SWITCH LOCKS <input type="checkbox"/> LOCK OUT		
FLAGS: YES <input type="checkbox"/> NO <input type="checkbox"/> VALEM		
EXTENDED WORK PERMIT REQUIRED: NO <input type="checkbox"/> YES <input type="checkbox"/>		
IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT		
TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)		
SIGNATURES TO OPEN PERMIT		SIGNATURES TO CLOSE PERMIT
DATE: 2/8/2012 13:36	DESIGNATED CONTACT:	DATE:
DISPATCHER:		DESIGNATED CONTACT:
		DISPATCHER:

The **Projected Duration of Work** refers to the time required to perform the work as outlined in the Scope of Work field.

This informs the dispatcher how long the tracks will be out of service in order to plan train movement for the shift.

10.21 Transportation Work Permit Example

Transportation Work Permit Responsibilities

The screenshot shows a 'TRANSPORTATION WORK PERMIT' form. A red circle highlights the 'IDENTIFY THE TYPE OF PROTECTION REQUIRED' section, which includes checkboxes for 'SIGNALS', 'ST. ADMIN.', 'SWITCH LOCKS', and 'LOCK OUT'. The 'SWITCH LOCKS' checkbox is checked. A red arrow points from the text on the right to this section.

TRANSPORTATION WORK PERMIT		WORK PERMIT NUMBER
PRINT		1150
VALE PROJECT SPONSOR:	Ray Tremblay - Transportation	DATE: 8-Feb-12
PROJECT SPONSOR PHONE NUMBER:	706-666-6666	
DEPARTMENT OR COMPANY:	ACME Construction	DESIGNATED CONTACT: John Dough
NORCAT or VALE SERIAL NUMBER:	123 456	DESIGNATED CONTACT NUMBER: 706-690-1234
YES TRAINING: Are all workers under this permit qualified	YES <input type="checkbox"/> NO <input type="checkbox"/>	
SCOPE OF WORK	Changing all rail ties on heat station track May require special equipment	
PROTECTION REQUIRED		
IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE: Heat Station Track, SL-25, SL-26		
PROJECTED DURATION OF WORK: 17 hours		
IDENTIFY THE TYPE OF PROTECTION REQUIRED		
SIGNALS <input type="checkbox"/> ST. ADMIN. <input type="checkbox"/> SWITCH LOCKS <input checked="" type="checkbox"/> LOCK OUT <input checked="" type="checkbox"/>		
FLAGS: YES <input type="checkbox"/> NO <input type="checkbox"/> VALS: <input type="checkbox"/>		
EXTENDED WORK PERMIT REQUIRED: NO <input type="checkbox"/> YES <input type="checkbox"/>		
IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT		
TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)		
SIGNATURES TO OPEN PERMIT		SIGNATURES TO CLOSE PERMIT
DATE: 2/8/2012 13:36	DESIGNATED CONTACT:	DATE:
DISPATCHER:		DESIGNATED CONTACT:
		DISPATCHER:

Type of Protection Required refers to the type of protection that will be applied that isolates rail movement of rolling stock only.

The project Sponsor is responsible for determining the level of protection.

The Field Supervisor will confirm the protection once in place (ie: *derail, switch locks*)

10.22 Transportation Work Permit Example

Transportation Work Permit Responsibilities

Microsoft Excel - 871.xls

PRINT

TRANSPORTATION WORK PERMIT

WORK PERMIT NUMBER: 1150

VALE PROJECT SPONSOR: Ray Tremblay - Transportation

PROJECT SPONSOR PHONE NUMBER: 705-555-5555

DATE: 8-Feb-12

DEPARTMENT OR COMPANY: ACME Construction

DESIGNATED CONTACT: John Dough

NORCAT or VALE SERIAL NUMBER: 123 456

DESIGNATED CONTACT NUMBER: 705-690-1234

DES TRAINING: Are all workers under this permit qualified? YES ☒ NO ☐

SCOPE OF WORK: Changing all rail ties on heat station track
May require special equipment

PROTECTION REQUIRED

IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE: Heat Station Track, SL-25, SL-26

PROJECTED DURATION OF WORK: 12 hours

IDENTIFY THE TYPE OF PROTECTION REQUIRED

FLARE ☐ FLASHING ☐ REDUCED SPEED ☒ LOCK OUT ☒

FLAG: YES ☒ NO ☐ VALE55

EXTENDED WORK PERMIT REQUIRED: NO ☐ YES ☐

IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT

TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)

SIGNATURES TO OPEN PERMIT

DATE: 2/8/2012 13:37

DESIGNATED CONTACT:

DISPATCHER:

SIGNATURES TO CLOSE PERMIT

DATE:

DESIGNATED CONTACT:

DISPATCHER:

The Transportation **Flags** are protection signals (they are not energy isolation devices!).

They must be placed on the tracks to indicate to train crews not to proceed once approaching the protected work area.

Flag numbers may be identified on the next field if required

10.23 Transportation Work Permit Example

Transportation Work Permit Responsibilities

The screenshot shows a 'TRANSPORTATION WORK PERMIT' form. A red arrow points from the text box on the right to the 'EXTENDED WORK PERMIT REQUIRED' field, which is currently set to 'NO'. The form includes sections for project information, scope of work, protection required, and signatures.

TRANSPORTATION WORK PERMIT		WORK PERMIT NUMBER
PRINT		1150
VALE PROJECT SPONSOR: Ray Tremblay - Transportation		DATE: 8-Feb-12
PROJECT SPONSOR PHONE NUMBER: 705-655-5656		
DEPARTMENT OR COMPANY: ACME Construction	DESIGNATED CONTACT: John Dough	
NORCAT or VALE SERIAL NUMBER: 123 456	DESIGNATED CONTACT NUMBER: 705-600-1234	
YES TRAINING: Are all workers under this permit qualified YES <input type="checkbox"/> NO <input type="checkbox"/>		
SCOPE OF WORK: Changing all rail ties on heat station track May require special equipment		
PROTECTION REQUIRED		
IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE: Heat Station Track SL-25, SL-26		
PROJECTED DURATION OF WORK: 12 hours		
IDENTIFY THE TYPE OF PROTECTION REQUIRED: DETAILS <input type="checkbox"/> FLAGGING <input type="checkbox"/> SWITCH LOCKS <input checked="" type="checkbox"/> ADD ON <input type="checkbox"/>		
FLAGS: YES <input type="checkbox"/> NO <input type="checkbox"/> VALEM <input type="checkbox"/>		
EXTENDED WORK PERMIT REQUIRED: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>		
IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT		
TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)		
SIGNATURES TO OPEN PERMIT		SIGNATURES TO CLOSE PERMIT
DATE: 2/8/2012 13:37	DESIGNATED CONTACT:	DATE:
DISPATCHER:		DESIGNATED CONTACT:
		DISPATCHER:

The **Extended Work Permit Required** would be checked 'YES' if the scope of work extends beyond the original work day and permission from Transportation Superintendent has been granted.

10.24 Extended Work Permits

Extended Work Permits

[illegible]

Whenever an **Extended Work Permit** is required, the following form must be filled out and attached to the original Work Permit, then placed in the open permits section of the **Extended Work Permit binder**

The Extended Work Permit must be signed in at the start of every shift...
and signed out at the end of every shift.

10.25 Transportation Work Permit Example

Transportation Work Permit Example

The screenshot shows a Microsoft Word document titled "TRANSPORTATION WORK PERMIT". A red circle highlights the "PRINT" button in the top left corner. The form contains the following fields:

TRANSPORTATION WORK PERMIT		WORK PERMIT NUMBER 1150
VALE PROJECT SPONSOR:	Ray Tremblay - Transportation	DATE: 8-Feb-12
PROJECT SPONSOR PHONE NUMBER:	705-655-5656	
DEPARTMENT OR COMPANY:	ACME Construction	DESIGNATED CONTACT: John Dough
NORCAT or VALE SERIAL NUMBER:	123 456	DESIGNATED CONTACT NUMBER: 705-690-1234
YES TRAINING: Are all workers under this permit qualified	YES <input type="checkbox"/> NO <input type="checkbox"/>	
SCOPE OF WORK	Changing all rail ties on heat station track May require special equipment	
PROTECTION REQUIRED		
IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE: Heat Station Track, SL-25, SL-26		
PROJECTED DURATION OF WORK: 12 hours		
IDENTIFY THE TYPE OF PROTECTION REQUIRED		
SIGNALS: <input type="checkbox"/> STAFF: <input type="checkbox"/> SWITCH LOCKS: <input checked="" type="checkbox"/> SIGNS: <input checked="" type="checkbox"/>		
FLAGS: YES <input type="checkbox"/> NO <input type="checkbox"/> VALEM: <input type="checkbox"/>		
EXTENDED WORK PERMIT REQUIRED: NO <input type="checkbox"/> YES <input type="checkbox"/>		
IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT		
TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)		
SIGNATURES TO OPEN PERMIT		SIGNATURES TO CLOSE PERMIT
DATE: 2/8/2012 13:37	DESIGNATED CONTACT:	DATE:
DISPATCHER:		DESIGNATED CONTACT:
		DISPATCHER:

Now you can print the work permit

The program will prompt the user to fill in empty fields before enabling the printing feature.

Two copies will be printed: File one in the binder and one **must remain at the work site.**

10.26 Transportation Work Permit Example

Transportation Work Permit Example

TRANSPORTATION WORK PERMIT		871	WORK PERMIT NUMBER
			1150
VALE PROJECT SPONSOR: Ray Tremblay - Transportation		DATE: 8-Feb-12	
PROJECT SPONSOR PHONE NUMBER: 705-555-5555			
DEPARTMENT OR COMPANY: ACME Construction	DESIGNATED CONTACT: John Dough		
NORCAT or VALE SERIAL NUMBER: 123 456	DESIGNATED CONTACT NUMBER: 705-690-1234		
ZES TRAINING: Are all workers under this permit qualified?		YES <input type="checkbox"/> NO <input type="checkbox"/>	
SCOPE OF WORK: Changing all rail ties on heat station track May require special equipment			
PROTECTION REQUIRED			
IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE: Heat Station Track, SL-25, SL-26			
PROJECTED DURATION OF WORK: 12 hours			
IDENTIFY THE TYPE OF PROTECTION REQUIRED:			
DERAILS <input type="checkbox"/> FLAGMAN <input type="checkbox"/> SWITCH LOCKS <input type="checkbox"/> LOOK OUT <input type="checkbox"/>			
FLAGS: YES <input type="checkbox"/> NO <input type="checkbox"/> VALE50			
EXTENDED WORK PERMIT REQUIRED: NO <input type="checkbox"/> YES <input type="checkbox"/>			
IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT			
TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)			
SIGNATURES TO OPEN PERMIT		SIGNATURES TO CLOSE PERMIT	
DATE: 2/8/2012 13:37		DATE:	
DESIGNATED CONTACT:		DESIGNATED CONTACT:	
DISPATCHER:		DISPATCHER:	

The **Signatures to Open Permit** area is at the bottom left of the printed copies.

This area will have the date automatically generated.

10.27 Transportation Work Permit Example

Transportation Work Permit Example

TRANSPORTATION WORK PERMIT		071	WORK PERMIT NUMBER
			1150
VALE PROJECT SPONSOR: Ray Tremblay - Transportation		DATE: 8-Feb-12	
PROJECT SPONSOR PHONE NUMBER: 705-555-5555			
DEPARTMENT OR COMPANY: ACME Construction	DESIGNATED CONTACT: John Dough		
NORCAT or VALE SERIAL NUMBER: 123 456	DESIGNATED CONTACT NUMBER: 705-690-1234		
ZES TRAINING: Are all workers under this permit qualified?		YES <input type="checkbox"/> NO <input type="checkbox"/>	
SCOPE OF WORK: Changing all rail ties on heat station track May require special equipment			
PROTECTION REQUIRED			
IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE: Heat Station Tracks, SL-25, SL-26			
PROJECTED DURATION OF WORK: 12 hours			
IDENTIFY THE TYPE OF PROTECTION REQUIRED			
DERAILS <input type="checkbox"/>	FLAGMAN <input type="checkbox"/>	SWITCH LOCKS <input type="checkbox"/>	LOOK OUT <input type="checkbox"/>
FLAGS: YES <input type="checkbox"/> NO <input type="checkbox"/> VALES6			
EXTENDED WORK PERMIT REQUIRED: NO <input type="checkbox"/> YES <input type="checkbox"/>			
IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT			
TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)			
SIGNATURES TO OPEN PERMIT		SIGNATURES TO CLOSE PERMIT	
DATE: 2/8/2012 13:37		DATE:	
DESIGNATED CONTACT:		DESIGNATED CONTACT:	
DISPATCHER:		DISPATCHER:	

The **Signatures to Open Permit** area must be signed by the *Designated Contact* and the *Train Dispatcher*.

10.28 Transportation Work Permit Example

Transportation Work Permit Example

TRANSPORTATION WORK PERMIT		871	WORK PERMIT NUMBER
			1150
VALE PROJECT SPONSOR: Ray Tremblay - Transportation		DATE: 8-Feb-12	
PROJECT SPONSOR PHONE NUMBER: 705-555-5555			
DEPARTMENT OR COMPANY: ACME Construction	DESIGNATED CONTACT: John Dough		
NORCAT or VALE SERIAL NUMBER: 123 456	DESIGNATED CONTACT NUMBER: 705-690-1234		
ZES TRAINING: Are all workers under this permit qualified?		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
SCOPE OF WORK: Changing all rail ties on heat station track May require special equipment			
PROTECTION REQUIRED			
IDENTIFY THE TRACKS OCCUPIED OR REMOVED FROM SERVICE: Heat Station Track, SL-25, SL-26			
PROJECTED DURATION OF WORK: 12 hours			
IDENTIFY THE TYPE OF PROTECTION REQUIRED			
DETAILS: <input checked="" type="checkbox"/> FLAGMAN <input checked="" type="checkbox"/> SWITCH LOCKS <input checked="" type="checkbox"/> LOOK OUT <input checked="" type="checkbox"/>			
FLAGS: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> VALES: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
EXTENDED WORK PERMIT REQUIRED: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			
IF YES, ATTACH A COMPLETED EXTENDED WORK PERMIT			
TRANSPORTATION SUPERVISOR APPROVAL (Scope of work and level of protection)			
SIGNATURES TO OPEN PERMIT		SIGNATURES TO CLOSE PERMIT	
DATE: 2/8/2012 13:37		DATE:	
DESIGNATED CONTACT:		DESIGNATED CONTACT:	
DISPATCHER:		DISPATCHER:	

The Signatures To Close permit must be manually dated and signed once the work has been completed, and workers and equipment are removed from the tracks.

Once this section is signed off, the work permit will be terminated.

12. Conclusion

12.1 Summary



✔ Conclusion

12.2 Summary

Conclusion

You have now completed the Work Permit Training Presentation!

You will now be required to complete a quiz to test your knowledge of the following:

- requirements of a Work Permit and Work Permit *Variance*.
- rules from Transportation Handbook of Rules and Special Instructions
- energy isolating devices used as protection from of rolling stock
- how to obtain ZES by installing switch locks or derails
- requirements of track flag signals

