

Conveyance Regulation Program

Colorado Department of Labor and Employment
Division of Oil and Public Safety (OPS)
Conveyance Section

Greg Johnson
Program Manager

Overview

- Statute and Regulations
- Registration
- Licensing
- Approved Authority Having Jurisdiction (AHJ)
- Permits and Inspections
- Certificate of Operation
- Required Performance Testing
- Website and Database
- Regulation Changes
- Enforcement

Information

Statutes, Regulations, Forms, FAQs,
Database access, and Procedures
on website:

<http://oil.cdle.state.co.us>

“Conveyance Section” link

Statute: Senate Bill 07-123 (2007)

- Registration of all conveyances with OPS
- Licensing of mechanics, inspectors, and contractors
- Authorities Having Jurisdiction (AHJ) can regulate with executed Memorandum of Agreement (MOA)
- Adopt codes:
 - ASME A17.1 Elevators and Escalators (primary code)
 - ASME A17.3 Existing conveyances
 - ASME A18.1 Stairway chair lifts and platform lifts
 - ASCE 21 Automated People Movers (trains at DIA)
- Permit required for installs & alterations
- Annual inspections by Third-Party inspector
- Enforcement authority to OPS

Statute: Senate Bill 08-224 (2008)

- Elevators installed prior to 7-1-2008 are exempt from ASME A17.3 unless:
 - Substantial Alteration
 - Material risk
- Flexibility to OPS in standard adoption
- AHJs schedule with OPS for adoption of standards
- Insurance coverage language
- Approved-AHJ staff inspectors
 - no insurance requirement
- Approved-AHJ staff and appointed inspectors
 - 1 year to get QEI-1 certification

Regulations

- Emergency Regulations throughout 2008
- Permanent Regulations effective 1-1-2009
- Regulation changes effective 1-1-2010

Registration

- Responsibility of owner (managing agent) or lessee
- **Existing** conveyances must be registered ONE TIME with OPS by 8-1-2008
- **New** conveyances installed after 7-1-2008 must be registered before placed into service
- Owner is responsible to notify OPS of changes

Mechanic Licensing

- Four ways to qualify
- Annual renewal
- License Types:
 - Type 1: A17.1 (high-rise) & A18.1 (lifts)
 - Type 2: A18.1 (lifts only)
 - Type 3: ASCE 21 (APM – DIA trains only)
 - Types 4 and 5: combinations of above
- Temporary and Emergency Mechanics

Contractor Licensing

- One Licensed Mechanic on staff
- Annual renewal
- License type is dictated by type of license held by mechanics on staff
- Insurance according to statute

Inspector Licensing

- Several ways to qualify – primarily QEI-1 certification
- Annual renewal
- License types:
 - Type 1: A17.1 (high-rise) and A18.1 (lifts)
 - Type 2: ASCE 21 (trains at DIA)
 - Type 3: both of above
- Insurance (AHJ staff inspectors are exempt)

License (Inspector and Mechanic)



DEPARTMENT OF LABOR AND EMPLOYMENT
Division of Oil and Public Safety
Conveyance Section

This is to certify that

JOE M SMITH

Subject to the conditions prescribed by the Elevator and Escalator Certification Act or any rule adopted pursuant to this Act, is authorized to perform **Type 1 Conveyance Mechanic** activities in the State of Colorado under license certificate

Number: **CM-400-1**

Expiring: **9/29/2009**

A handwritten signature in black ink, written over a horizontal line. The signature is cursive and appears to read 'M. J. ...'.

Conveyance Program Representative

Approved Authority Having Jurisdiction (AHJ)

- Memorandum of Agreement (MOA) with OPS
- Regulation of all conveyances in territory
 - Inspections
 - Issue Certificate of Operation
 - Decisions on code variance
 - Enforcement
- Adopt new code within 90 days after OPS
- ASME A17.1-2007 by December 31, 2010
- Annual report of data to OPS
- Immediate accident report to OPS

New Installation or Alteration

Located within
Approved AHJ?

YES

PERMIT to AHJ by
Licensed Contractor with Fee

PERMIT approval by AHJ

ACCEPTANCE INSPECTION
by AHJ staff or AHJ-appointed
or 3rd-party
Licensed Inspector

Inspection Report to AHJ
with Fee

AHJ Issues Cert of Operation

NO

PERMIT to OPS by
Licensed Contractor with Fee
at least 30 days prior to Construction

PERMIT approval by OPS

ACCEPTANCE INSPECTION
by 3rd-party Licensed Inspector

Inspection Report to Owner

Inspection Report to OPS with Fee

OPS Issues Cert of Operation (CO),
Temp CO, or Const CO

Periodic (Annual) Inspection

Located within
Approved AHJ?

YES

Owner and AHJ
coordinate inspection

PERIODIC INSPECTION by
AHJ staff or AHJ-appointed
or 3rd-party
Licensed Inspector

Inspection Report processed
by AHJ

AHJ Issues Cert of Operation

NO

Owner and
Licensed 3rd-Party Inspector
coordinate inspection

PERIODIC INSPECTION
by 3rd-Party Licensed Inspector

Inspection Report to Owner

Inspection Report to OPS with Fee

OPS Issues Cert of Operation

Certificate of Operation



Conveyance Annual Certificate of Operation

This certificate is issued pursuant to compliance with the current codes adopted by the Colorado Department of Labor and Employment, Division of Oil and Public Safety (OPS) certifying that at the time of issuance this conveyance was in compliance with statutory authority of The Elevator and Escalator Certification Act, Title 9, Article 5.5 Colorado Revised Statutes.

Facility Number:	09-000410	Inspection Date:	08/13/2008
Conveyance Number:	CP09-000907	Certificate Issue Date:	02/07/2009
Conveyance Local ID:	1	Certificate Expiration Date:	08/31/2009
Contract / Job Number:		Inspected by:	08-000001
Owner/Management Company:	2454 PATTERSON, LLC PO BOX 55245	Facility Information:	2454 PATTERSON, LLC 2454 PATTERSON RD GRAND JUNCTION, CO 81505

This Certificate of Operation issued by:
Colorado Department of Labor and Employment
Division of Oil and Public Safety
Conveyance Section
633 17th Street, Suite 500
Denver, CO 80202

Phone: (303) 318-8519
Fax: (303) 318-8488
Website: <http://oil.state.co.us>



ASME A17.1 Required Performance Tests

Test	Traction Elevators	Hydraulic Elevators	Escalators
Category 1 (annual)	Fire Service, Safety and Buffer Test	Pressure Test Cylinder Leak Fire Service	Clean-down Inspection and Tests
Category 3 (every 3 yrs)		Flex-hose Test	
Category 5 (every 5 yrs)	Full-Load Safety and Buffer Test		

OPS Required Inspector Witnessing of Performance Tests

Test	Traction Elevators	Hydraulic Elevators	Escalators
Category 1 (annual)	Every 5 yrs	Every 5 yrs	Annually
Category 3 (every 3 yrs)		Every 5 yrs	
Category 5 (every 5 yrs)	Every 5 yrs		

OPS Website - <http://oil.cdle.state.co.us> “Conveyance Section” link



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Division of Oil and Public Safety

Colorado Storage Tank Information System ([COSTIS](#)) OPS datalink

The public hearing for [Proposed Amendments](#) to the Conveyance Regulations will be held on November 3, 2009, 1:00 p.m. at 633 17th Street, Suite 2A, Denver, CO 80202.

If you have comments or recommended changes, please have them available on or before the November 3rd meeting. If you cannot attend the meeting, but would still like to comment on the rules, please send your comments to michael.stewart@state.co.us. In addition, you will have an opportunity to comment on the proposed rules at the hearing. Please disseminate the draft rules to any other interested parties.

[Division Outreach \(Durango\) November 16, 2009](#)

[Outreach Presentations](#)

[Division Overview](#)

The mission of the Division of Oil and Public Safety (OPS) is to maximize the protection of consumers, retailers, refiners of petroleum products, users of explosives, boiler owners and public school students in the areas of safety, product quality, accurate measurement, and safe building design. The Division maximizes protection of public health and the environment from contamination caused by leaking petroleum storage tanks and prevention of releases from all regulated storage tanks; the Division maximizes effective administration of the Petroleum Storage Tank Fund.

[Public Records Center](#)

Oil Fund Section Oil Inspectors Section Remediation Section	Public Safety Boiler Inspectors Section Carnival/Amusement Parks Conveyance Section Explosives
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OPS Website



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Conveyance Section

Per The Elevator and Escalator Certification Act, the Division of Oil and Public Safety (OPS) is the implementing agency for regulation of elevators, escalators, automatic people movers (APM) and other hoisting and lowering mechanisms as described in the Act. With the assistance of an Advisory Board, which includes representatives of local government and industry, OPS has developed and implemented emergency regulations to enforce the Act. These emergency regulations will be in place for 90 days or until permanent regulations are promulgated. Please refer to the links below for further information. Any questions regarding conveyances can be referred to Michael Stewart at 303-318-8530, e-mail michael.stewart@state.co.us or you can contact Greg Johnson at 303-318-8536, e-mail greg.johnson@state.co.us

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- OPS Approved Continuing Education Courses ([Excel](#) / [PDF](#)) 2009 Education ([PDF](#))
- Search the [OPS Conveyance Database](#)
- Statute ([PDF](#))
- [Regulations](#)
- Advisory Board ([PDF](#))

OPS Website

- Statutes
- Regulations
- Licensed inspector/contractor lists
- Policies
- Forms
- Memorandum of Agreement
- FAQs
- Advisory Board Contacts
- Procedures
- Access to OPS Database

OPS Database

- Hosted database
- Public access for facility and conveyance information:

<http://oil.cdle.state.co.us>

“Conveyance Section” link

“OPS Conveyance Database” link



OR

www.citizenserve.com/Colorado

OPS Database Instructions (via OPS Website)

- Enter information into at least one field
- Enter entire county, city or street name or street number
- Search will return Facility information
- Select “Export to Excel”:
 - Facility information only, or
 - Facility and Conveyance information

OPS Database



Online Conveyance Information

[Conveyance Search](#)
[Send Us a Message](#)

Conveyance Search

You can search by any of the fields below, at least one is required.

State Facility ID:

State Conveyance ID:

City:

County:

Address:

(example) 421 N Main Street

OPS Database



Search Results

Export to Excel

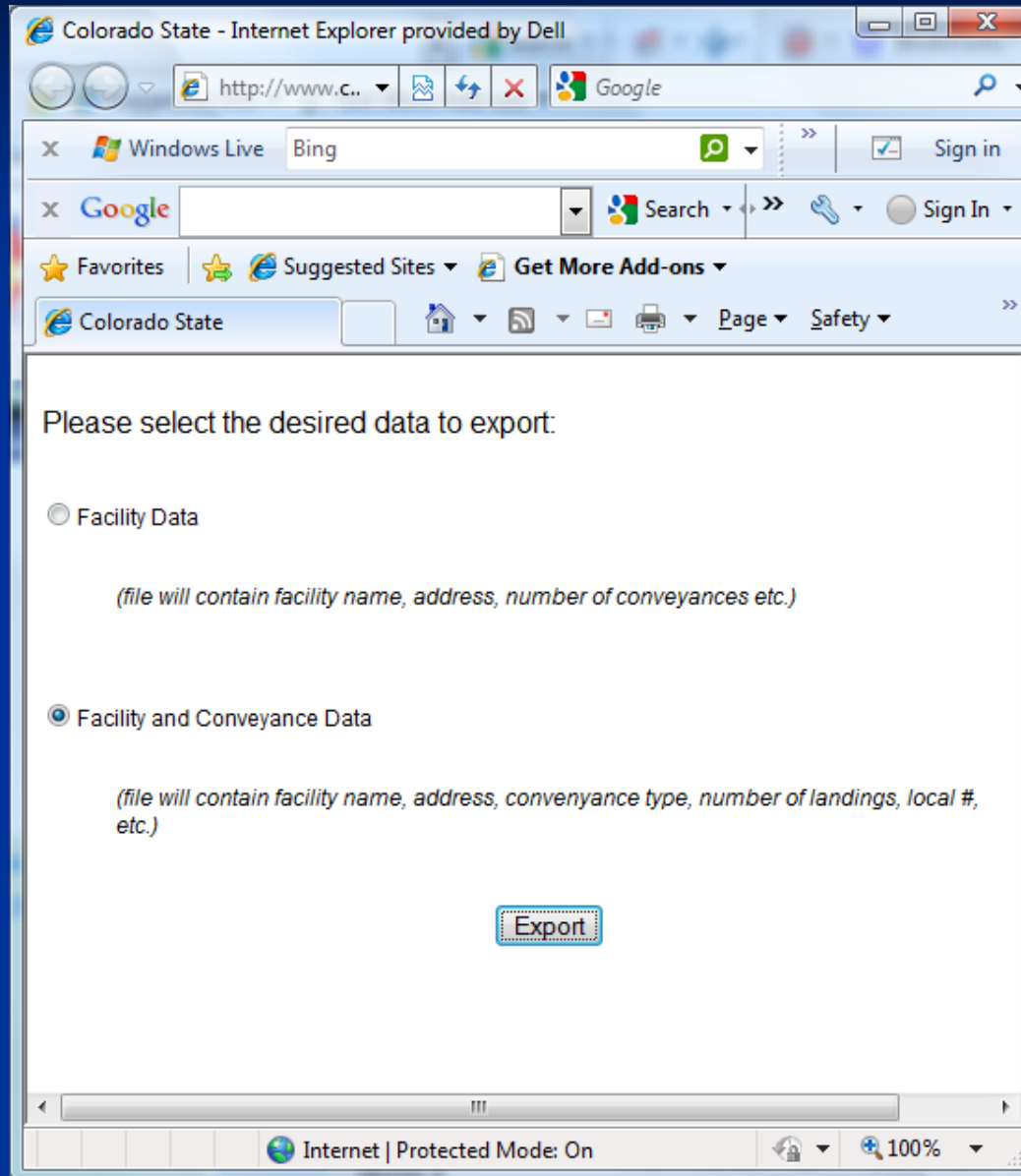
◀ 1 - 20 of 71 facilities found ▶

State Facility ID	Facility Name	Address	City	County	Total Conveyances	Registered Conveyances
09-000417	858 MAIN	858 MAIN AVE	DURANGO	LA PLATA	1	1
08-001770	ADMINISTRATION BUILDING	201 E 12TH ST	DURANGO	LA PLATA	1	1
09-002229	ANIMAS HALL	1414 E 8TH AVE	DURANGO	LA PLATA	1	1
09-000052	ANIMAS OVERLOOK CONDO	207 W PARK AVE	DURANGO	LA PLATA	1	1

[Conveyance Search](#)

[Send Us a Message](#)

OPS Database



OPS Database – Excel Export

- Facility Information
- Conveyance Information
 - Conveyance ID
 - Job/Contract #
 - Local ID #
 - Type of conveyance (e.g. elevator, escalator)
 - Number of landings
 - Status (registered, permit issued, etc.)

Regulation Changes

- Effective 1-1-2010
- Posted on OPS website
- Changes include:
 - General cleanup and clarification
 - Fees listed
 - Public school conveyance regulation
 - Shut-down of dangerous conveyance
 - Accident reporting and investigation
 - Implementation of code for existing conveyances
 - Escalator training for Mechanics

Public School Conveyances

- If school is not in Approved AHJ territory:
 - Private third-party inspector
 - OPS issues Certificate of Operation
- If school is in Approved AHJ territory:
 - Approved AHJ staff or contracted inspector inspects & AHJ issues CO
 - OR
 - School requests consent from OPS to hire a private third-party inspector & OPS issues CO

Shut-Down of Dangerous Conveyance

- Conveyance poses imminent danger to passengers or inspection/maintenance personnel
- Notification:
 - Inspector → OPS or Approved AHJ
 - Mechanic → Contractor → OPS or Approved AHJ
- Shut-down procedures in Policy #5 on the OPS website
- Must have Approved AHJ or OPS approval to operate the conveyance

Shut-Down of Dangerous Conveyance

<p>STATE OF COLORADO Conveyance Section (303-318-8530)</p>  <p><input type="checkbox"/> Dangerous Conveyance - Call Conveyance Section prior to operation (RED TAGGED).</p> <p><input type="checkbox"/> Conveyance disconnected - Call Conveyance Section prior to operation (OUT OF SERVICE OR DORMANT).</p> <p>DO NOT REMOVE WITHOUT CONVEYANCE SECTION AUTHORIZATION</p> <p>SEE OTHER SIDE</p> <p><small>STONEHOUSE SIGNS, INC., 1-800-525-0455 www.stonehousesigns.com</small></p>	<p>STATE OF COLORADO Conveyance Section (303-318-8530)</p>  <p>DO NOT OPERATE</p> <p>INSPECTOR: _____</p> <p>DATE: _____</p> <p><small>J-8164</small></p>
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Accident Reporting and Investigation

- Any accident must be immediately investigated by owner to ensure compliance with regulations
- Report accident to OPS or Approved AHJ via phone call, email or facsimile within 24 hours
- Preliminary Investigation to determine cause:
 - A. Normal compliant operation or passenger error
 - B. Malfunction of equipment or non-compliant equipment

Accident Reporting and Investigation

- If **A** (passenger error):
 - Conveyance may return to service
- If **B** (malfunction or non-compliant):
 - CO is automatically revoked
 - Immediate shut-down of conveyance
 - Full inspection
 - Complete and submit Accident Investigation Report to OPS or Approved AHJ
 - Repair conveyance and re-inspect

Implementation of Code Existing Elevators

- ASME A17.3 Implementation
- Door Restrictors
- Hydraulic cylinder safety bulkhead

ASME A17.3 Implementation

- All conveyances installed prior to 7-1-2008 are exempt from A17.3 requirements unless:
 - **Substantial Alteration** activities conducted, or
 - **Material Risk** is present to public safety
- Either term not defined in statute or current regulations

ASME A17.3 Implementation

Substantial Alteration

- Effective 1-1-2010
- Substantial Alteration:
 - Change in type of service (freight to passenger), or
 - Change in type of operation or motion control, or
 - Replacement of controller with another alteration

ASME A17.3 Implementation

Material Risk

- Effective 1-1-2010
- Material Risk is as determined by OPS in cooperation with local jurisdictions
 - Case-by-case evaluation of A17.3 items except Firefighters' Service
 - Upgrade of Firefighters' Service unless:
 - Compliance with ASME A17.1 – 1981 rules, or
 - Elevator travels less than 75 feet from emergency access, or
 - Building is equipped with sprinkling system.
 - If required, upgrade by 1-1-2015

Door Restrictors

- Effective 1-1-2010
- Door Restrictors installation timelines:

Elevator Install Date	Door Restrictor Install Due Date
On or after 1-1-2008	Before issuance of next CO
On or after 1-1-1990 and before 1-1-2008	Before 1-1-2012
Before 1-1-1990	To be determined

Hydraulic Cylinder Safety Bulkhead

- Hydraulic elevators installed prior to approximately 1973 are “single-bottom” cylinders (jacks), not equipped with safety bulkheads
- By 1-1-2012, owners of these pre-1973 elevators must:
 - **Provide documentation** to the OPS or Approved AHJ that elevator has a double-bottom jack, or
 - **Replace** single-bottom jack with a double-bottom jack, or
 - **Equip** elevator with **car safeties**, etc. per ASME A17.1, or
 - **Equip** the elevator with a **plunger gripper**

Enforcement Process

Request for
Records

Field Violation



30 Days



Records not received,
violation not corrected, or
past due for report submittal:
NOTICE OF VIOLATION



30 Days

Required actions not completed
or fine not paid:
ENFORCEMENT ORDER



30 Days

COURT INJUNCTION

Reasons for Enforcement

- Conveyance Registration
- Operating a conveyance without current CO
- Construction of a conveyance without an approved permit
- Working without a current license issued by OPS (inspector/mechanic/contractor)
- Conflict of interest - maintenance/inspection
- Not reporting an accident
- Not in compliance with regulations

Notice of Violation (NOV)

- Details of all violations
- Regulation/Statute citation
- Stipulates the required actions
- Associated fine based on risk
- May include shut-down of the Conveyance
- The owner/operator has **30 days** to comply

Enforcement Order

- Owner/operator does not comply with the NOV
- Enforcement Order Letter:
 - No option to submit documents
 - Complete required actions and pay associated fine
 - Fines up to maximum allowed - \$1,000 per per day of violation
- Shut-down of the Conveyance

Enforcement Process

Request for
Records

Field Violation



30 Days



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violation not corrected, or
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Required actions not completed
or fine not paid:
ENFORCEMENT ORDER



30 Days

COURT INJUNCTION

- Timeframe for compliance varies
- Options for Compliance
- Fine based on Risk
- Required actions
- Fine up to maximum allowed
- Delivery Prohibition
- Attorney General

Contact Information

- Greg Johnson, Program Manager
 - 303-318-8536 greg.johnson@state.co.us
- Michael Stewart, Technical Specialist (code interpretation and plan/report review)
 - 303-318-8530 michael.stewart@state.co.us
- Dave Bruner, Inspector (compliance audits)
 - 303-378-6155 (cell) david.bruner@state.co.us
- Michael Montoya, Administrative Assistant
 - 303-318-8533 mike.montoya@state.co.us