Risk and Liability Management at Kansas City Southern de México



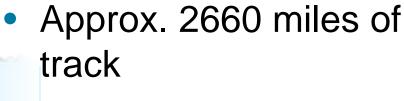
Kansas City Southern de México

 June 24, 1997 KCSM received 50-year concession of Line 1 of Ferrocarriles Nacionales de México (FNM)

Tampico

eracruz

San Luis Potosi



- Connects Mexico City with:
 - US border at Laredo
 - Mexican ports of Lázaro Cárdenas and Veracruz







Lazaro Cardenas

Concession Agreement

- FNM responsible for prior contamination
- KCSM responsible for their contamination
- Agreement only included general remediation obligation no characterization procedures nor remediation goals



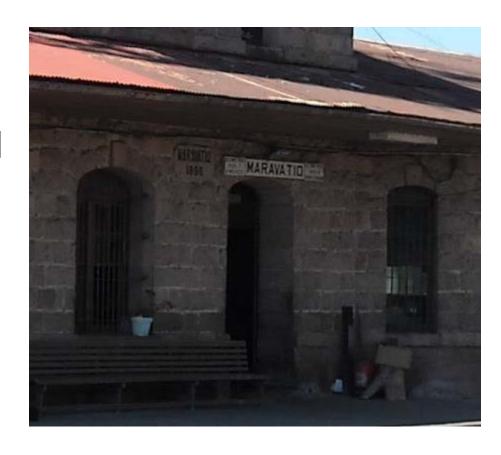






The Risk

 At end of concession, may be complicated to distinguish pre- and post-concession contamination









Risk Management

- Pre-concession site inspections
- KCSM eliminated facilities
- Historical aerial photos

- Environmental capital improvements
- Post-concession site inspections
- Post-concession site characterizations and remediation
- Monitoring of regulations
- Meetings with PROFEPA

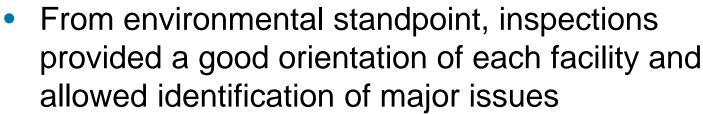






Pre-Concession Site Inspections

- Fall 1996, FNM provided separate train for each bidder
- Not only environmental but operations
- One week to traverse the entire system





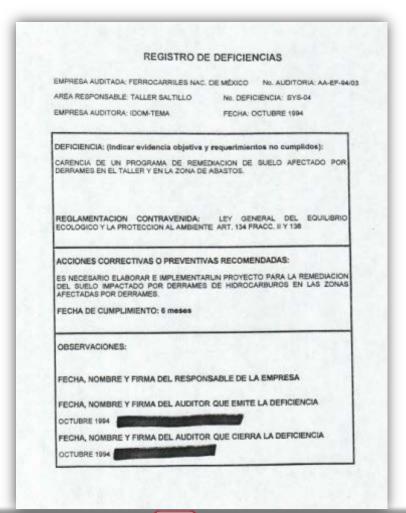






Pre-Concession PROFEPA Audits

- PROFEPA has developed an audit specification and has certified consultant auditors
- Prior to concession, FNM had audits conducted at 13 largest facilities
- KCSM hired counsel to obtain audits through equivalent of Freedom of Information Act









Eliminated Facilities

KCSM:

- Excluded some highly contaminated facilities from concession
- Never operated on some highly contaminated facilities











Historical Aerial Photos

Obtained
historical aerial
photos from
INEGI (Mexican
Institute of
Geography and
Statistics)









KCSM Capital Improvements

- Fuel tanks
- Track pans
- Above-ground fuel lines
- Tank car unloading areas







Post-Concession Site Inspections



Soil and groundwater findings classified as follows:

- 1. Documented pre-existing conditions
- Undocumented pre-existing conditions
- 3. Pre-existing conditions possibly aggravated by KCSM
- 4. New conditions

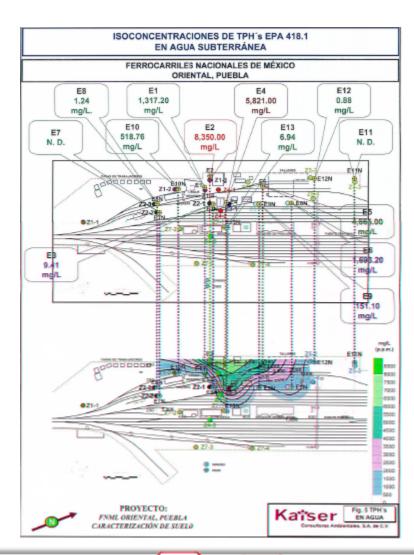






Site Characterization & Remediation

- FNM continuing to conduct site characterization and remediation
- KCSM reviews reports and spot checks in field









Mexican Regulations

- Concession establishes that FNM responsible for meeting current regulations—not necessarily the regulations at the time of the concession
- General Law on Ecological Equilibrium was promulgated January 1988 and modified: 1996, 2000, 2001, 2003, 2005, 2006, 2007, 2008, 2010, 2011, 2012, 2013 and 2014
- General Law on the Prevention and Management of Wastes was promulgated in 2003 and modified: 2006, 2007, 2012, 2013 and 2014







Meetings with PROFEPA

- KCSM obtaining Certificate of Clean Industry for facilities
- KCSM regularly meets with PROFEPA to discuss findings of investigations
- PROFEPA is:
 - Decentralized KCSM must deal with PROFEPA in each of the 13 States they operate in
 - Political PRI won elections from PAN in 2012
 - As a result, new PROFEPA deputies in each of the 13 States at beginning of 2012









Project Challenges

- Prolonged investigation and remediation process by FNM
- On-going operations by KCSM
- Evolving Mexican regulations
- Changing regulatory authorities







Conclusions

- FNM generally doing a good job in the investigation and remediation
- Important that KCSM assures all pre-existing

conditions are:

- Identified
- Adequately investigated
- Completely remediated









