



**SCOTIA COMMUNITY SERVICES DISTRICT
NOTICE IS HEREBY GIVEN THAT A
REGULAR MEETING
OF THE BOARD OF DIRECTORS**

**WILL BE HELD AT:
122 MAIN STREET
SCOTIA, CALIFORNIA**

**Thursday, September 21, 2017
Regular Meeting at 5:30 P.M.**

AGENDA

- A. CALL TO ORDER/ ROLL CALL** The Presiding officer will call the meeting to order and call the roll of members to determine the presence of a quorum.
- PLEDGE OF ALLEGIANCE**
- B. SETTING OF AGENDA**
The Board may adopt/ revise the order of the agenda as presented.
- C. CONSENT CALENDAR**
- 1. Approval of Minutes from Previous Meetings** p. 3
- August 17, 2017**
- 2. Approval of August 1, 2017 – August 31, 2017 Check Register** p. 6
- D. PUBLIC COMMENT & WRITTEN COMMUNICATION**
Regularly scheduled meetings provide an opportunity for members of the public to directly address the SCSD Board Members on any action item that has been described in the agenda for the meeting, before or during consideration of that item, or on matters not identified on the agenda within the Board jurisdiction. Comments are not generally taken on non-action items such as reports or information. Comments should be limited to three minutes.
- E. PUBLIC HEARING – NONE**
- F. BUSINESS**
- 1. New Business –**
- a. Raw Water River Motors/Pumps Control System** p. 7
- b. Consider amending Resolution 2017-11: A Resolution of the Board of Directors of the Scotia Community Services District to Adopt FY 2017-2018 Fee Schedule** p. 12
- 2. Old Business –**
- a. Heisler Engine #9 and associated equipment: Options Discussion** p. 26
- G. REPORTS**
No specific action is required on these items, but the Board may briefly discuss any particular item raised.
- 1. President's Report:**
- 2. Board Director Reports:**
- 3. Interim Manager's Report:** DHHS Inspection, DWR Log Pond Dam Inspection

- 4. Special Counsel's Report:**
- 5. Engineer's Report:**
- 6. Fire Chief's Status Report:**
- 7. Board Clerk Report:**

H. ADJOURNMENT

Next Regular Meeting of the SCSD will be October 19, 2017 at 5:30 PM. A Special meeting may be held prior to that.

Notice regarding the Americans with Disabilities Act: The District adheres to the [Americans with Disabilities Act](#). Persons requiring special accommodations or more information about accessibility should contact the District Office. Notice regarding Rights of Appeal: Persons who are dissatisfied with the decisions of the SCSD Board of Directors have the right to have the decision reviewed by a State Court. The District has adopted [Section 1094.6](#) of the [Code of Civil Procedure](#) which generally limits the time within which the decision may be judicially challenged to 90 days.

Minutes of the REGULAR Board Meeting for the
Scotia Community Services District
Thursday, August 17, 2017 at 5:30 P.M.

A. CALL TO ORDER/ ROLL CALL/ PLEDGE OF ALLEGIANCE

The regular meeting of the Board of Directors of the Scotia Community Services District convened at 5:30 pm with the following directors in attendance:

Diane Bristol	Director - present
Gayle McKnight	Director – present
Paul Newmaker	Director – present
Susan Pryor	Director – present
Rick Walsh	President – present

Staff: S. Davidson, T. Boobar, L. Marshall

B. SETTING OF AGENDA

No Changes

C. CONSENT CALENDAR

1. Approval of Minutes from Previous Meetings

July 20, 2017

2. Approval of May 24, 2017 - July 31, 2017 Check Register

Motion: To approve the Consent Calendar

Motion: Pryor **Second:** Bristol

Motion Vote: Ayes - 5 Opposed – 0 Absent - 0 Abstain - 0

D. PUBLIC COMMENT & WRITTEN COMMUNICATION

Scotia Residents Matthew and Laura came to introduce themselves. They run a small daycare in their home. They are possibly interested in the Daycare Building. Matthew does curb painting services as well. Left flyer to post on district bulletin board.

E. PUBLIC HEARING – NONE

F. BUSINESS

1. New Business –

a. Consider adoption of Resolution 2017-11: A Resolution of the Board of Directors of the Scotia Community Services District to Adopt FY 2017-2018 Fee Schedule

L. Marshall introduced. Staff and Board discussed. Changes proposed from last meeting are reflected within this meeting's proposed fee schedule. Board wanted to know how the fire water was paid for: it's calculated for as a part of the base fee. Board wanted to increase charge for water hauler fee from proposed 150% of current water flow charge, to be more comparable to charges around the area (i.e. other approximate area charges: TOS charges \$100/load, Dinsmore charges \$150/load). Discussed cost per truck load + convenience fee for hydrant hook-up.

Water haulers would use metered hydrant behind fire hall. Control measures should be developed for access to fire property. Should require a backflow preventer.

Discussed ball field irrigation, should be metered soon.

Motion: Motion to adopt Resolution 2017-11: A Resolution of the Board of Directors of the Scotia Community Services District to Adopt FY 2017-2018 Fee Schedule

Motion: Bristol

Second: McKnight

Motion Vote: Ayes -5

Opposed – 0

Absent - 0

Abstain - 0

b. Consider adoption of Tracy Boobar Law Contract

T. Boobar introduced. Splitting off from N. Diamond to her own practice, should be more cost efficient. Will not carry errors and omission insurance at this time. Paralegal services will be contracted out.

Motion: Approve contract for Tracy Boobar Law.

Motion: Pryor

Second: Walsh

Motion Vote: Ayes -5

Opposed – 0

Absent - 0

Abstain - 0

2. Old Business –

a. Heisler Engine #9 and associated equipment: Lead and asbestos testing report from SHN

Introduced by L. Marshall. Lead and asbestos testing was conducted by SHN, both were found present in Engine and associated equipment. Equipment also poses a climb and fall hazard. Fencing is delayed, checking with Mike Foget at SHN for status. Board asked for asbestos and lead signage to be posted now. Staff to consider public outreach (public service announcement) posting around town.

G. REPORTS

1. President's Report: None.

2. Board Director Reports: Director Bristol asked if the Museum was open. Not for public access at this time, due to ADA requirements. Gayle McKnight asked about Lights on Christmas Tree on HRC land, asked staff to contact TOS.

3. Interim Manager's Report: (Given by Assistant General Manager) Leaks at the ball field, effluent grinder, DHHS Inspection, appraisal (market analysis instead?), Mill Lane meter, river pumps, billing software, Brandon still manually controlling river pumps for on/off peak usage.

4. Special Counsel's Report: Looking into legality of selling water and at what rate.

5. Engineer's Report: Started paving phase 2, replacing water line across bridge, old hydrant system switching to domestic now, Mill A in phase 2 subdivision, North Court fire system in Phase 2 as well. Rerouting sewer line under Mill A. 5 buildings/parcels in the Commercial Center area: 3 commercial buildings, TOS Office, and Theater all proposed for a maintenance association to own/maintain booster pump for fire risers.

6. Fire Chief's Status Report: None.

7. Board Clerk Report: recommend Special Meeting to welcome community members to Scotia CSD, meet the Board, Q&A, etc. for December 7th (after new Board members take seat). Elections update, all seats ran unopposed, same Board of Directors to remain.

H. ADJOURNMENT

Meeting adjourned at 6:58 pm by Board President Rick Walsh.

These minutes were approved by the Board of Directors of the Scotia Community Services District on September 21, 2017 at its duly-noticed regular meeting in Scotia, CA.

APPROVED:

Rick Walsh, President
Board of Directors
Scotia Community Services District

Date

ATTEST:

Leslie Marshall, Board Clerk
Scotia Community Services District

Date

11:33 AM

09/14/17

Cash Basis

Scotia Community Services District

Bd of Directors Checking Account Report

As of August 31, 2017

Type	Date	Num	Name	Memo	Original Amount	Paid Amount	Balance
10000 · RCB Checking 8239							372,790.57
Bill Pmt -Check	08/01/2017	1017	Steves Septic		-1,750.00	-1,750.00	371,040.57
Bill Pmt -Check	08/01/2017	1018	USA Blue Book	Treatment tablets	-42.60	-42.60	370,997.97
Bill Pmt -Check	08/01/2017	1021	USA Blue Book	Treatment tablets	-192.17	-192.17	370,805.80
Bill Pmt -Check	08/01/2017	1019	ASAP Lock & Key	Rekey padlocks	-325.28	-325.28	370,480.52
Bill Pmt -Check	08/01/2017	1020	Eel River Disposal	Recycling Service	-9.55	-9.55	370,470.97
Check	08/03/2017	POS	Intuit	Check and envelope supply	-401.85	-401.85	370,069.12
Bill Pmt -Check	08/04/2017	POS	Northern Tool	4400# Pallet Truck	-439.79	-439.79	369,629.33
Bill Pmt -Check	08/08/2017	1022	Planwest Partners	June 2017 Services	-10,173.54	-10,173.54	359,455.79
Bill Pmt -Check	08/08/2017	1023	AT&T		-329.38	-329.38	359,126.41
Bill Pmt -Check	08/08/2017	1024	Pacific Paper	General office supplies	-260.61	-260.61	358,865.80
Bill Pmt -Check	08/08/2017	1025	PG&E		-15,311.24	-15,311.24	343,554.56
Bill Pmt -Check	08/08/2017	1026	Sierra Chemical Co.	Chlorine supplies & tank depo...	-1,257.72	-1,257.72	342,296.84
Bill Pmt -Check	08/08/2017	1027	SHN	Project 17138	-1,016.25	-1,016.25	341,280.59
Bill Pmt -Check	08/08/2017	1028	Spencer Electric	Treatment plant drilling	-630.00	-630.00	340,650.59
Deposit	08/08/2017			Deposit	3,433.28	3,433.28	344,083.87
Bill Pmt -Check	08/10/2017	1029	PG&E		-11,214.63	-11,214.63	332,869.24
Bill Pmt -Check	08/10/2017	1030	Sequoia Personnel	T Cannon PPE 08/06/2017	-263.50	-263.50	332,605.74
Bill Pmt -Check	08/15/2017	1031	Alternative Business Co...	Xerox Versalink Color Copier	-1,216.50	-1,216.50	331,389.24
Bill Pmt -Check	08/22/2017	50002	BWS Distributors	Chlorine detection equip/char...	-5,810.39	-5,810.39	325,578.85
Bill Pmt -Check	08/22/2017	50003	North Coast Laboratories	Testing services	-905.00	-905.00	324,673.85
Bill Pmt -Check	08/22/2017	50004	PG&E		-204.58	-204.58	324,469.27
Bill Pmt -Check	08/22/2017	50005	Redi-Rents	Hard hats, safety vest rental	-226.09	-226.09	324,243.18
Bill Pmt -Check	08/22/2017	50001	Sequoia Personnel	VOID: Sequoia never rec'd ck ...	0.00	0.00	324,243.18
Check	08/23/2017	POS	Redwood Capital Bank	Letter of credit fee in lieu of 40...	-892.12	-892.12	323,351.06
Bill Pmt -Check	08/24/2017	50006	Planwest Partners	July 1-31, 2017 Services	-10,897.90	-10,897.90	312,453.16
Bill Pmt -Check	08/29/2017	50007	Advanced Security	Alarm Monitoring 169 Main Se...	-73.50	-73.50	312,379.66
Bill Pmt -Check	08/29/2017	50008	Alternative Business Co...	4 toner cartdges 1 waste cartr...	-1,012.62	-1,012.62	311,367.04
Bill Pmt -Check	08/29/2017	50009	AT&T		-217.72	-217.72	311,149.32
Bill Pmt -Check	08/29/2017	50010	Fortuna Iron	Fabricate tool	-128.01	-128.01	311,021.31
Bill Pmt -Check	08/29/2017	50011	Halls Sheetmetal & Wel...	Handle repair	-40.00	-40.00	310,981.31
Bill Pmt -Check	08/29/2017	50012	Pacific Paper	General office supplies	-108.68	-108.68	310,872.63
Bill Pmt -Check	08/29/2017	50013	Sequoia Personnel	T. Cannon PPE 8/20/17	-263.50	-263.50	310,609.13
Check	08/30/2017	POS	Nilsen Feed	Zip ties for fence warnings	-7.58	-7.58	310,601.55
Check	08/31/2017	POS	Federal Express	Laminate danger signs	-25.97	-25.97	310,575.58
Bill Pmt -Check	08/31/2017	50014	Sequoia Personnel	Replaces lost ck#50001	-527.00	-527.00	310,048.58
Bill Pmt -Check	08/31/2017	50016	AT&T		-106.10	-106.10	309,942.48
Bill Pmt -Check	08/31/2017	50017	PG&E		-654.71	-654.71	309,287.77
Bill Pmt -Check	08/31/2017	50018	SHN	Various	-2,806.86	-2,806.86	306,480.91
Total 10000 · RCB Checking 8239						-66,309.66	306,480.91
TOTAL						-66,309.66	306,480.91

Scotia Community Services District

Staff Report

DATE: September 21, 2017

TO: Scotia Community Services District Board of Directors

FROM: Steve Tyler, General Manager

SUBJECT: Raw Water River Motors/Pumps Control System Project

RECOMMENDATION:

The Administrative staff recommends that the SCSD Board receive a staff report and presentation by SHN staff.

ACTION:

None required.

DISCUSSION:

The existing raw water river motors/pumps and controls (pump system) are part of the Town of Scotia (TOS) Corridor Project scheduled to be completed next year. The existing pump system does ***not*** have the ability to pump water during PG&E off peak demand rates. Currently the ***monthly*** PG&E billing, for the river pumps only, is **\$21,000**. The adopted final budget for FY 2017/18 provides only \$63,500 for total annual electrical charges.

Staff requested assistance from SHN to help identify and resolve this electrical usage issue. SHN recommended designing and installation of a new control system for the existing pump system. Portland Engineering Inc. (PEI) was contacted to review the existing system and provide an estimated cost for designing and installing a new control system. Additionally, staff met with TOS to discuss various aspects of the Corridor Project to include cost sharing specific to the new control system.

Staff recommends the Board receive the presentation by SHN staff.

FISCAL IMPACT:

Exact costs for this project are being developed and are expected to be from \$17,000.00 to approximately \$24,500.00.

28 Aug 2017

Chuck Swanson
SHN Engineers & Geologist

RE: Scotia Water & Wastewater Process Instrumentation and Control Systems Scope & Estimates

Mr. Swanson,

Per your request Portland Engineering, Inc. (PEI) is pleased to provide this Scope Definition and Cost Estimate for Hardware and Engineering Services to you and the Scotia Community Service District.

The overall scope includes process control improvements at the WWTP and WTP to replace gaseous chlorination with liquid and an intersite SCADA Telemetry system for remote operation, status and control including automatic intake and booster pump operation. The Telemetry will be based-on a Verizon 4G cellular Private Network.

Our specific Scope and Estimate follows for each of the three systems.

Waste Water Treatment Plant

The wastewater treatment plant currently uses gaseous chlorine controlled by an influent flow paced-controller. The existing system has a 4-channel autodialer for remote alarm annunciation. There is no internet available at the site.

PEI proposes to provide a PLC-based system in a control panel to calculate dosage requirements. A new level transmitter will indicate flow through the contact basin V-Notch Weir to the PLC which will then start/stop and control the speed of a new positive displacement chlorine pump. The PLC will also bring on a second chlorine pump specifically for the bypass line at a preset speed anytime the bypass pump is called to run. All status, alarms and operator adjustable setpoints will be transmitted to the WTP and CSD office.

Specifically, PEI proposes to provide the following hardware and services for this system:

- UL508a-listed industrial control panel housing the following:
 - o Cellular Modem, Coax and Antenna
 - o PLC
 - o Power Distribution and Protection Circuitry
- Ultrasonic Level Transducer, Transmitter and Channel Bracket
- Functional Control Strategy Creation
- Detailed Design Submittals including Control Panel Shop Drawings
- Project Management and Installation Support
- PLC Programming
- Cellular Telemetry System Administration and Modem Configuration
- Onsite Testing, Startup and Operator Training
- Operation and Maintenance Manuals

The WWTP Scope above is estimated at *Seventeen Thousand, Five Hundred Dollars (\$17,500)*.

Untreated Drinking Water Conveyance

There currently is no automated control of the Water Intake and Booster Pumping Systems. This creates a large expense for operators to come onsite to manually control the pumps at off-peak usage times to maintain Reservoir levels. There is currently a Fiber Optic run being installed between the WTP and Intake/Booster Pump Station. There is no internet available at the site.

PEI proposes to provide a PLC-based system in a control panel to automatically operate the Intake and Booster pumps. This PLC will communicate with an RTU at the WTP via Cellular Modem to keep the reservoir full automatically during off-peak usage times. PEI recommends ceasing installation of the Fiber Optic line.

Specifically, PEI proposes to provide the following hardware and services for this system:

- o Cellular Modem, Coax and Antenna
- o PLC
- o Power Distribution and Protection Circuitry
- (2) Pressure Transmitters for installation at the WTP
- Functional Control Strategy Creation
- Detailed Design Submittals including Control Panel Shop Drawings
- Project Management and Installation Support
- PLC Programming
- RVSS Config
- Cellular Telemetry System Administration and Modem Configuration
- Hardwired Autodialer Configuration
- Onsite Testing, Startup and Operator Training

- Operation and Maintenance Manuals

The Conveyance Scope above is estimated at ***Seventeen Thousand Dollars (\$17,000)***.

Water Treatment Plant

The water treatment plant currently uses gaseous chlorine to treat the drinking water. The existing system has a 4-channel autodialer for remote alarm annunciation and a number of recorded analytical instruments. There is no internet available at the site.

PEI proposes to provide a PLC-based system in a control panel to calculate dosage requirements. An existing transmitter will indicate Residual Chlorine levels to the PLC which will then start/stop and control the speed of a new positive displacement chlorine pump. All status, alarms and operator adjustable setpoints will be transmitted to the WTP and CSD office.

Specifically, PEI proposes to provide the following hardware and services for this system:

- UL508a-listed industrial control panel housing the following:
 - o Cellular Modem, Coax and Antenna
 - o PLC
 - o Power Distribution and Protection Circuitry
- Functional Control Strategy Creation
- Detailed Design Submittals including Control Panel Shop Drawings
- Project Management and Installation Support
- PLC Programming
- Cellular Telemetry System Administration and Modem Configuration
- Hardwired Autodialer Configuration
- Onsite Testing, Startup and Operator Training
- Operation and Maintenance Manuals

The WTP Scope above is estimated at ***Fourteen Thousand, Five Hundred Dollars (\$14,500)***.

Additive Items

The above systems are completely functional individually. The following items could be added as part of this project or a future project.

- A) Remote Access VPN providing credentialed remote technical support and remote operator access. Requires a (4th) Cellular Modem located at the point of VPN internet connection. \$3,000
- B) Industrial SCADA PC located at one of the three sites with status and control setpoint modification for each site. \$10,000
 - a. If item B is selected, a software-based autodialer system (WIN-911) can be incorporated. \$4,250.

- b. If item B is selected, a historical data-base can be incorporated. \$5,250
- C) Residual Chlorine Analyzer at the WWTP to continuously log residual chlorine and offer the option for residual control of chlorine as an alternative to flow pacing. \$4,250

Notes

- 1) The project could efficiently be executed with the above estimates on a Time and Materials basis.
- 2) The above estimates do not include taxes or shipping.
- 3) Typical panel-build times for PEI are 6-8 weeks (not including design time & startup), but PEI understands and is committed to completing this project on a priority schedule.
- 4) Each Cell Modem site will require a \$30/month service charge.
- 5) Instrument and panel installation, conduit and cabling (except as provided by instrument manufacturers) and electrical terminations are by others.

We look forward to the opportunity of Teaming with SHN and the Scotia CSD on this high priority project.

Regards,

// Signed //

Joshua L. Downs
Managing Partner
Portland Engineering, Inc.
jdowns@lpei.com or 541.282.4767

Scotia Community Services District

Staff Report

Date: September 21, 2017

To: Scotia CSD Board of Directors

From: Leslie Marshall, Board Clerk and Assistant General Manager

Subject: Consider Amending Resolution 2017-11 Scotia Community Services District FY 2017/18 Master Fee Schedule

RECOMMENDATION:

Review and amend Resolution 2017-11 Scotia Community Services District FY 2017/18 Master Fee Schedule, with recommended changes for water hauling.

ACTION:

Review, discuss and motion to amend.

DISCUSSION:

The Master Fee Schedule is a composite list of fees and costs used for District and customer reference. The fee list does not include any assessments. The Master Fee Schedule is generally adopted at the beginning of the fiscal year after adoption of the budget, but can be changed or updated at any time by Board action. This Fee Schedule reflects the Board recommended changes for water hauling.

FISCAL IMPACT:

See Fee Schedule and Water Hauler Guidelines.

RESOLUTION NO. 2017-11

**RESOLUTION OF THE SCOTIA COMMUNITY SERVICES DISTRICT
BOARD OF DIRECTORS
ESTABLISHING FY 2017/18 MASTER FEE SCHEDULE**

WHEREAS, in an effort to achieve recovery of staff costs, it is necessary to establish fees charged by the Scotia Community Services District to provide services without adversely impacting the District's service funds; and

WHEREAS, in order to recover these costs, it is necessary to establish new fees through the Master Fee Schedule; and

WHEREAS, as required by Article XIID Sections 4 and 6(b) of the California Constitution, Districts can only charge rates or fees that are equal to or less than the reasonably anticipated costs of providing the service, conferring a benefit, granting a privilege, performing regulatory duties, enforcing laws, or as a condition of property development; and

WHEREAS, the Scotia Community Services District FY 2017/18 Master Fee Schedule will be reviewed on an annual basis and adjusted accordingly; and

WHEREAS, the Board of Directors has determined that it is in the best interest of the District to adopt fees for District services.

NOW, THEREFORE, BE IT RESOLVED:

1. The Scotia Community Services District Board of Directors hereby approves establishing fees for District services pursuant to the FY 2017/18 Master Fee Schedule attached hereto as Exhibit "A" and made a part hereof by this reference.

2. Except as otherwise provided herein, any fees described on the FY 2017/18 Master Fee Schedule in conflict with the fees established or increased by this Resolution shall be void and of no force and effect.

3. This Resolution shall take effect immediately upon its adoption.

PASSED, APPROVED AND ADOPTED on the 20th day of July, 2017, by the following vote of the governing body:

APPROVED:

Rick Walsh, Board President, Scotia CSD

ATTEST:

Board Clerk, Scotia CSD

CLERK'S CERTIFICATE

I hereby certify that the foregoing is a true and correct copy of Resolution No. 2017-5, passed and adopted at a special meeting of the Board of Directors of the Scotia Community Service District, County of Humboldt, State of California, held on the 20th day of July, 2017, by the following vote:

AYES:

NOES:

ABSENT:

ABSTENTIONS:

Board Clerk, Scotia CSD

Attached: Scotia Community Services District FY 2017/18 Master Fee Schedule

SCOTIA COMMUNITY SERVICES DISTRICT

FY 2017/18 MASTER FEE SCHEDULE

SECTION 1. WATER SYSTEM

The following water system fees are applicable to the Scotia Community Services District (District).

1. **Existing Water Service Connection.** Where the Developer has installed the new water service line and the District will merely be installing a new meter, the fee shall be as follows:

New Meter Fees	
5/8 Inch (meter set only)	\$201.35
3/4 Inch (meter set only)	\$266.04
1 Inch (meter set only)	\$305.82
Greater Than 1 Inch	Special Quote

2. **Splitting/Relocating Water Service.** The charge for splitting an existing water service shall be the actual charge for material, labor, and equipment not to exceed the charges for a new service. The charge for relocating an existing service shall be actual costs for materials, labor, and equipment not to exceed charges for a new service less credit for existing meter. Any related inspection costs will be charged on a time and materials basis.
3. **Backflow Prevention Device Charges.** Maintenance and testing of these devices is the responsibility of the customer and shall be tested by a certified backflow tester. The customer shall submit a copy of the test results annually. Failure to provide certified back-flow test results as required shall result in the District providing the test and inspection at the customer's expense.
4. **Water Hauler Fees and Charges.** Charges for potable water shall be based on the 2017 Water Hauler Guidelines. Raw water will not be available for water hauler use or sale.
5. **Temporary Construction Meters.** A \$40.00 meter setting fee will be charged for the installation of this meter. There shall be imposed a monthly rate for the temporary service, based on meter size in the table below and a charge for the quantity of water used at the rate of \$2.70 per one hundred cubic feet.
6. **Meter Tests – Deposit.** If a customer desires to have the meter serving their premises tested, they shall first deposit Thirty-Five Dollars (\$35.00) and pay the actual cost to test the meter.
7. **Monthly Water Service Rates.** A monthly rate for water service provided by the District shall be imposed, at which the rate shall be the total of Section 8A and 8B below

- A. **Monthly Water Base Rate.** The monthly base rate shall be determined by size of water meter and location of service as follows:

Monthly Water Base Rate FY 2016-2017	
Meter Size (inches)	Monthly Base Rate
5/8"	\$63.86
3/4"	\$95.79
1"	\$159.64
1 1/2"	\$319.28
2"	\$510.84
3"	\$957.83
4"	\$1,596.37
6"	\$3,192.75
8"	\$5,108.40

- B. **Monthly Consumption Charge:** The monthly quantity charge rate is \$2.70 per 100 cubic-feet (HCF) of water used.
- C. **Monthly Raw Water Charge:** The Raw (non-potable) Water Rate is \$0.23 per 100 HCF of water used.

SECTION 2. WASTEWATER SYSTEM FEES

The following sewer system fees are applicable to the Scotia Community Services District.

1. **Monthly Sewer Service Rates.** The rates and minimum sewer service charges billed monthly to customers within the service area of the District shall be as follows:

Monthly Wastewater Rates FY 2016-2017	
Base Rate (per EDU)	\$76.38
Monthly Flow Rate	
Flow Rate (per 100 cf used)	\$4.18
Monthly Strength Rate	
BOD (per lb)	\$0.3680
TSS (per lb)	\$0.5495

2. **Special Sewer Discharge Permit.** A \$250.00 fee shall be collected on each special sewer discharge permit that is processed and issued. There will be an additional charge for actual gallons discharged to the public sewer system based on strength of discharged wastewater.

SECTION 3. WATER AND WASTEWATER DEPOSITS AND MISCELLANEOUS CHARGES

1. **Security Deposits** The following deposits shall be collected if a customer fails to meet the District's guidelines for creditworthiness:

Security Deposits		
Type of Service	Base Deposit	Max. Deposit
Single Family Residential		
Water & Sewer	\$100.00	\$150.00
Water only	\$ 50.00	\$ 75.00
Sewer only	\$ 50.00	\$ 75.00
Multi-family Units		
Water only/1 st Unit	\$ 35.00	\$150.00
Additional Units	\$ 20.00	\$100.00
Water & sewer/1 st Unit	\$ 50.00	\$ 75.00
Additional	\$ 40.00	\$ 60.00
Commercial		
Water & Sewer	2.5 times the Monthly Base Rate	
Water Only	2.5 times the Monthly Base Rate	
Sewer Only	2.5 times the Monthly Base Rate	

2. **Security Deposit - Guidelines for Creditworthiness.** A customer must meet one of the following criteria to meet the District's guideline for creditworthiness when considering an alternative to the collection of a security deposit:
 - A. Prior service within the District showing timely payments within the previous two (2) years, or
 - B. Produce a letter of credit from PG&E, or other recognized utility showing timely payments for a period of one (1) year, or
 - C. Produce a positive rating report from a recognized credit reporting agency.
3. **Account Initiation Charge.** There shall be an initiation charge of Thirty-Five Dollars (\$35.00) to set up an account for a new customer or change a location for a current customer.
4. **Reconnection Charge.** A reconnection charge of Forty Dollars (\$40.00) for the first reconnection and Sixty Five Dollars (\$65.00) thereafter plus penalties will be made and collected prior to renewing service following a discontinuance.
5. **Returned Checks.** If a check tendered as payment for any rate or charge is returned to the District uncollected, there shall thereupon become due an additional charge of Twenty Dollars (\$20.00).

6. **Broken Lock Fee.** If a service is locked and the lock is broken, a charge of Twenty-Five Dollars (\$25.00) shall be assessed to the customer in addition to any other fees or penalties.

SECTION 4. WATER SHORTAGE EMERGENCY FINES AND PENALTIES

1. **Fines and Penalties.** Except as otherwise provided by Board action, violations of any provision of the District Code shall be fined as follows:

Fines and Penalties		
Violation	Classification	Penalty
First violation	Infraction	\$ 10.00
Second violation	Infraction	\$ 30.00
Third violation and subsequent violations within a 6-month period	Misdemeanor	\$100.00

SECTION 5. PARKS AND RECREATION FEES

1. **APPLICATION PROCESSING FEES.** The District shall charge a fee to process all applications for events as defined in the Parks and Recreation Ordinance.

APPLICATION PROCESSING FEES

Application Processing Fees cover Staff time to Process Facility Use Permits. Application Processing Fees are non-refundable and must be submitted at the time a Facility Use Permit application is turned in, at least 30 days prior to the event. See event definitions in Title IV Chapter 9 Section 9.01.a. of the Parks and Recreation Ordinance.

Large Scale Community Event	\$150
Major Event	\$150
Minor Event	\$100
Expressive Event	\$100

2. **FACILITY USE DEPOSIT FEES.** The District shall charge a deposit for events which qualify and are defined as special events and require a Facility Use Permit as follows:

Events WITHOUT Alcohol - \$250 deposit
Events WITH Alcohol - \$500 deposit
Concert Rentals - \$1,000 deposit

Deposits are refundable provided there are not damages to the facility and the facility is clean, consistent with the Parks and Recreation Ordinance. Deposits will not be refunded if the

reservation is cancelled less than 1 month prior to event. Half of deposit will be returned if District is able to rebook facility.

3. FACILITY USE FEES. The District shall charge the following rates for use of a District-owned facility for each use specified below:

Rental fees are due 30 days prior to event. All-day rate applies to hours between 8 a.m. and 1 a.m., including cleanup. Requests for extended hours are subject to City approval and additional costs. Changes made to Facility Use Permit less than 30 days prior to event are subject to City approval and may require additional charge. Any changes must be made in writing.

The “All Day Rate” shall be defined as a fee charged specifically for use of the Winema Theater and which includes access to the facility for greater than four (4) consecutive hours.

The “Half-Day Rate” shall be defined as a fee charged specifically for use of the Winema Theater and which includes access to the facility for a maximum of four consecutive hours.

WINEMA THEATER

Private Citizen/Business	\$45.00/hour	
Half Day Rate	\$176.00	(\$44.00/hr)
All Day Rate	\$344.00	(\$43.00/hr)
Non-Profit Groups/Vendors	\$35.00/hour	
Commercial Events*	\$450.00/day	
*Requires Event Host		

SCOTIA MUSEUM

Private Citizen/Business	\$35.00/hour
Non-Profit Groups/Vendors	\$25.00/hour

FIREMAN’S PARK

Private Citizen/Business	\$25.00/hour	
Half Day Rate	\$96.00	(\$24.00/hr)
All Day Rate	\$184.00	(\$23.00/hr)
Non-Profit Groups/Vendors	\$15.00/hour	
Commercial Events*	\$250.00/day	
*Requires Event Host		

PARKS

Soccer Field	\$28.00/hour
Baseball Park	
Baseball Field	\$28.00/hour
Horseshoe Pit	\$20 for 2 hours
Lighting	\$26.00/hour

4. EVENT SERVICES FEES. The District shall charge a fee of \$35 per hour (unless overtime wages apply) for an event host for those events requiring such a host. The minimum charge shall be two hours. Other event service fees shall be determined each year and are based

on the direct expense associated with providing said service. Such event fees shall be established and adopted by the Board.

SPECIAL EVENT SERVICES

Event Setup

Events with less than 100 persons	\$50.00
Events with 101-200 persons	\$80.00
Events with more than 200 persons	\$105.00

Event Cleanup

Events with less than 100 persons	\$100.00
Events with 101-200 persons	\$125.00
Events with more than 200 persons	\$150.00

SECTION 6. STORM DRAINAGE FEES

- 1. INSPECTION FEES.** The District is responsible to annually inspect all private facilities for any violation of the provisions of the Storm Drainage ordinance. Private facilities shall be responsible for the cost of inspection and any associated inspection costs including but not limited to testing.

SECTION 7. DOCUMENT DUPLICATION AND DISTRIBUTION

The following charges are hereby established for the photocopying and mailing of printed material (not applicable to news media and not applicable to allied agencies in case of police reports for investigative purposes):

1. Photocopies.

- A. Per 8 1/2" x 11" and legal size page:
 - Per 1-side page..... \$0.10
 - Per 2-side page..... \$0.20
- B. Per 11" x 17" page:
 - Per 1-side page..... \$0.20
 - Per 2-side page..... \$0.40
- C. Per 24" x 36" page: Per 1-side page..... \$3.00
- D. Conversion of Documents to Electronic Image: \$2.00 plus \$0.10/page

2. Copies of Video Tapes, Audio Tapes, CDs, DVDs. \$3.00/each, plus actual cost for duplication

3. Mailing. \$2.00/each, plus actual postage cost

Scotia Community Services District

WATER HAULER GUIDELINES

Effective July 1, 2017

It is the District's desire to be able to provide a convenient source of potable water for transportation to other areas when necessary for domestic or municipal use as well as water for hydro-seeding and construction. The District would also like to keep the process simple while maintaining the integrity of the water system. The District has established the following guidelines effective immediately:

- All water haulers desiring to purchase water from SCSD must complete and submit an SCSD application and permit for each tanker truck, and driver, including those trucks used by sub-contractors.
- Current Certificates of Insurance for general liability and auto liability must be on file with the District (See attached for details).
- Water Haulers are advised that water availability is subject to change without notice.

The District requires that all tankers fill at the Scotia Volunteer Fire Department (145 Main Street, Scotia) between the hours of 9:00 a.m. and 4:00 p.m., Monday through Friday. **It is unlawful to take water from any other hydrant/location. In addition, tampering with any fire hydrant for the unauthorized use of water therefrom, or any other purpose, is a misdemeanor punishable by law.**

- All water haulers are required to check in at the District office prior to filling up and provide the following information on their **load log**: approximate gallons, date, time and certify it is destined for the aforementioned uses.
- **The fee for 600 or more gallons per load is \$45.00 meter fee + \$0.03/gallon. Fees will be invoiced monthly per load log (as outlined above) and payment to the District is to be made prior to the invoice due date. Late payment of invoice may result in suspension of privileges.**
 - Maximum water available to each water hauler (company) is 50,000 gallons per day.
- **To maintain the integrity and security of the District's property, please observe the following:**
 - **Do not** enter District buildings other than the District Main Office.
 - There is a public restroom in the District Main Office.
 - A telephone is available for emergency use in the District Main Office.
 - **Do not** attempt to move District vehicles or property. Ask for assistance from a District employee if you have a problem.
 - District personnel and equipment need access to the hydrant in the District Yard. District personnel and equipment have priority over other users.
 - **It is strictly prohibited to utilize any District water source to wash, rinse, or hose off any vehicle.**

Violation of the above guidelines may result in the loss of privilege to obtain water from Scotia Community Services District and/or legal action.

Scotia Community Services District

CERTIFICATE OF INSURANCE REQUIREMENTS

All water purveyors and bulk water haulers will be required to provide the District with a Certificate of Insurance on an annual basis.

The Certificate of Insurance shall evidence general liability coverage of not less than \$2,500,000 per occurrence for bodily injury, personal injury and property damage and auto liability of at least \$2,500,000 for bodily injury and property damage each accident limit. Coverage is to be placed with a carrier with an A.M. Best rating of no less than A-, VII, or equivalent, or as otherwise approved by the District.

In the event that the water purveyor/hauler employs other contractors (sub-contractors) to haul water from the District, it shall be the water purveyor/hauler's responsibility to require and confirm that each sub-contractor meets the minimum insurance requirements specified above. Said policies shall name the District as an additional insured and shall constitute primary insurance as to the District, its officers, agents and employees, so that any other policies held by the District shall not contribute to any loss under said insurance.

SCOTIA COMMUNITY SERVICES DISTRICT
WATER HAULER APPLICATION PERMIT

Name _____		Date _____	
Address _____		Permit # _____	
Phone _____	Fax _____	Account # _____	
E-Mail _____			
Contact Name _____			

Vehicle #1		Back Flow Inspection:	
Make/Model _____	Year _____	System Type _____	Date _____
State _____	License # _____	Approved By: _____	
Tank Size _____	Remarks _____		

Vehicle #2		Back Flow Inspection:	
Make/Model _____	Year _____	System Type _____	Date _____
State _____	License # _____	Approved By: _____	
Tank Size _____	Remarks _____		

Driver #1		Driver #2	
Name _____	Name _____	Name _____	Name _____
CA DL# _____	CA DL# _____	CA DL# _____	CA DL# _____

This permit, issued by Scotia Community Services District (SCSD) to the owner and/or operator of the equipment identified above, shall be in effect for a period of one (1) year from the date of application approval, subject to the following conditions:

1. This permit is to acquire bulk water from SCSD as directed by SCSD staff.
2. The water purchased is for domestic or municipal use.
3. SCSD is not responsible for the contents once it leaves the District's system.
4. This permit, or a copy of, must be with the vehicle when acquiring the water.
5. Revocation of this permit may occur at any time, with or without cause, and/or modified at the District's discretion.
6. Written notification to SCSD of any changes whatsoever to the equipment identified above and/or its loading procedures. SCSD staff shall approve such changes prior to continuing operations.
7. The Owner/Operator(s) of this equipment certify said equipment meets all current requirements of the California Department of Health Services and all other applicable regulations.
8. The Owner/Operator(s) will establish an account with SCSD for monthly billing.
9. The Owner/Operator(s) are liable for any damages to the SCSD, its system(s) and/or its equipment.
10. Bulk Water rates are updated on an annual basis and can change at anytime without notice.
11. The Owner/Operator(s) is responsible for any, and all, water taken from the SCSD system.
12. To the fullest extent permitted by law, Owner/Operator(s) will defend, indemnify, and hold harmless the District, its directors, officers, employees or authorized volunteers from all claims and demands of all persons arising out of the performance of the Owner/Operator(s) work or the furnishing of materials; including, but not limited to, claims by the Owner/Operator(s) or Owner/Operator(s) employees for damage to persons or property.

WATER AVAILABILITY IS SUBJECT TO CHANGE WITHOUT NOTICE

By signing below, Owner/Operator(s) acknowledges and agrees to abide by the conditions and requirements set forth above as well as outlined in the SCSD Water Hauler Guidelines

Owner/Operator: _____	Date _____
(Signature)	
Approved by SCSD: _____	Date _____
(Signature)	

SCSD WATER HAULER PROGRAM

WATER HAULERS LOAD LOG

COMPANY NAME: _____ DRIVER: _____

BILLING ADDRESS: _____

PHONE: _____

	DATE	TIME	#OF GALLONS	COST/LOAD	I Certify the Water Hauled is for Domestic or Municipal Use (Sign Below)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
TOTAL	DUE	SCSD		\$	

Scotia Community Services District

Staff Report

DATE: September 21, 2017

TO: Scotia Community Services District Board of Directors

FROM: Steve Tyler, General Manager
Leslie Marshall, Asst. General Manager

SUBJECT: Heisler Engine #9 and Associated Historic Logging Equipment

RECOMMENDATION:

The Administrative staff recommends that the SCSD Board discuss and consider retention of Engine #9 and all of the associated Historic Logging Equipment (all equipment) or disposal of all equipment.

ACTION:

Provide staff with specific directions.

DISCUSSION:

The Museum property contains historic logging equipment, which include one locomotive (Heisler engine #9), two steam donkeys, two tanks and eight steel pulleys. Safety concerns related to this equipment include potential asbestos material, lead based paint and climb and fall issues.

Based on SHN's Asbestos and Lead Based Paint Report and the Scotia Volunteer Fire Department pictures (presented by staff at the 8/17 District Board meeting), staff recommends that the Board consider the following options;

1) Retention of all equipment

This will require abatement/remediation of both the identified sources of asbestos material and lead based paint. Abatement will incur annual costs to the District to maintain. The work that would be required, by law, must be completed by a CAL EPA certified/licensed contractor. Additionally, permanent fencing would need to be installed to address the potential for climb and fall issues, which would need to be completed by a certified/licensed contractor.

2) Disposal of all equipment

The disposal of all equipment can be accomplished by a Publicly Noticed Sealed Bid Auction. Staff has been contacted by two different railroad organizations that are interested in acquiring the existing District equipment.

FISCAL IMPACT:

Staff contacted a certified licensed fencing contractor and received a quote for permanent Wrought Iron Fencing around all equipment, in the amount of \$34,595.

Staff contacted a Haz-Mat certified contractor and requested a quote for Asbestos and Lead Based Paint abatement/remediation. The quote received is approximately \$3,000 the first year, and approximately \$360 annually for encapsulation after that.

Additional annual costs will include annual assessment, approximately \$2,500 annually for inspection and report.

The total cost for retention of all equipment is unknown, however estimated abatement/remediation and permeant fencing costs could exceed \$50,000. The FY 2017/18 approved budget does not include revenue for remediation/repairs of this equipment.

There is ***no*** cost to the District for disposal of all equipment and the potential revenue from a sealed bid auction could fund future park improvements.

FORTUNA IRON

P.O. Box 23 Fortuna, CA 95540 2832 Old State Highway (707) 725-2608 Fax (707) 725-9256

Contractor's License #885504

DIR #1000000674

To:	Scotia CSD Po Box 104 Scotia, Ca 95565	Phone:	707-506-3030	Date:	September 14, 2017
		Email:	infoscotiacsd@gmail.com		

Attention: Steve	Estimate #	17-185
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Fortuna Iron proposes to fabricate and install:

- Aprox 400 ft of fence including (5) Separate fenced areas @ 6' tall.
(3) with removable panels. (2) with 48" man-gates.
- Materials: Posts- 2x2x .120 tube steel. Upper & lower horizontals- 1 1/2 x 1 1/2x .083 t.s.
3/4" x 3/4" vertical pickets.
- Primed and painted matte black.

Quote \$34,593.00 (tax included)

Unless noted, estimate does not include any permit fee, inspection fee, or engineering fee.

Note: Purchase orders resulting from this proposal, whether signed or not, are subject to Fortuna Iron's normal terms and conditions.

The attached sheet is satisfactory & hereby accepted. You are authorized to do the work as specified. Should buyer default in making any payment required hereunder & if seller institutes legal proceedings for the collection of Acceptance of Proposal -- The above prices, specifications & conditions on any sum due hereunder, buyer agrees to pay all costs of collection including reasonable attorney fees.

Accepted by:

X _____ Date: _____

PAYMENT TO BE MADE AS FOLLOWS:

CASH - PAST DUE ACCOUNTS OVER 30
DAYS WILL BE CHARGED 1 1/2% INTEREST
PER MONTH ON UNPAID BALANCE.

Authorized Signature:

Marc Wright- Project Manager

Subject to terms, conditions & provisions set forth on attached sheet

Note: This proposal may be withdrawn by us if not
accepted within 10 days.

FORTUNA IRON

P.O. Box 23 • 2832 Old State Highway • Fortuna, CA 95540 • (707) 725-2608 • Fax (707) 725-9256

Standard Exclusions:

- Locating, cutting and reinforcing of openings not shown on the structural drawings
- Supervision of layout, locating, setting or placing of anchor bolts or embeds
- Layout, locating, setting or placing of anchor bolts or embeds
- Safety railing, guards, toe boards, nets etc. for other trades
- Safety covers for openings
- Costs of bonds, testing, inspection or engineers fee
- Cost of fees and permits
- Grouting and/or concrete
- Weld inspection or associated costs
- Anchor bolts or embeds for other than our work
- Bolts other than steel to steel, wood to steel or concrete to steel
- Finish painting
- Field painting, slagging, wire brushing or touchup
- Intumescent painting
- Fireproofing
- Non-ferrous metals unless specifically included
- Light gauge framing, gauge metal and sheet metal
- All buyout (Simpson, etc.) items and associated hardware
- Any shoring
- Fire watch or protection for work above or below our work area
- Bolts, holes, connections, connectors, shims, sleeves, backing plates, supports or hoisting for other trades
- Unistrut type materials
- Removing, replacing or installing fireproofing
- Demolition of any kind
- Expansion joint covers
- Wall rail blocking
- Wire mesh partitions
- Pre-cast concrete panel connections or welding of same unless specifically included
- Special insurance above and beyond our standard
- Cost of temporary power for small tools

Clarifications:

- Job access for Fortuna Iron including equipment access needed for its scope of work is the responsibility of the prime contractor and to be provided to Fortuna Iron at no cost
- All field dimensions are by others where work is furnished F.O.B. job site
- Claims or back charges for any material furnished by Fortuna Iron will not be considered unless Fortuna Iron is given prompt notice and the opportunity to:
 - A. Investigate, inspect and if required, replace or correct the alleged error to comply with the plans and specifications, or;
 - B. Compensate the owner/contractor at an agreed, reasonable cost not to exceed the quote price of the item involved.
- General contractor to set one (1) anchor bolt nut to grade on each anchor bolt group or cluster
- The cost for providing Waiver of Subrogation and primary wording on our general liability policy and the waiver of subrogation on our Workers Compensation policy is not included in this quote and will be billed as an additional cost if it is required on this project.

WAHLUND CONSTRUCTION, INC.

A General Engineering Contractor
Lic. #678993 A, B, Asbestos, Hazmat

9/19/2017

Proposal

To: Greg Hufford

RE: A price asbestos treatment and control with removal cost for the lower fire box plate. This price is based on SHN survey reference No. 017138.002 dated August 3, 2017.

Pricing as follows: Reference table 1 page 2 of report.

Option No. 1:

1a)	m1-01 and m1-02 Fill fire box gap with spray foam, paint black and encapsulate.	\$ 754.00
1b)	m-4 spray encapsulant on roping	\$ 55.00
1c)	m-6 Install 3" permanent plug	\$ 25.00
1d)	m-7, m-8 spray encapsulant on gasket	\$ 110.00
Total Option No. 1 Cost		\$ 944.00

Option No. 2:

2a)	Replace 1a) above with removal of visible white insulation, raise and re-weld existing fire box bottom plate, paint, and encapsulate.	\$2,570.00
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Option No. 3:

3a)	Spray encapsulant on lead locations in table #3 of page #4 of report location 8, 12, 28, 29, 33-43	\$ 356.00
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Note: Encapsulant is recommended annually.

Print Name: _____

Signed: _____

Signature of Owner
assures payment in 30 days

Signed:  _____

Ken Wahlund
Wahlund Construction, Inc.
Cell No. 707-845-0990

830 Hilma Drive, Eureka, CA. 95503 Office: 707-268-0150 Fax: 707-268-0137

Table 1 List of Asbestos Containing Materials Historic Logging Equipment, Scotia, California					
Material	Locations	Sample #s	Asbestos (%) ¹	EPA ² & Cal-OSHA ³ Classifications	Quantity (square feet)
White Insulation	Locomotive-(Around Fire Box and Boiler)	SCSD-M1-01 SCSD-M1-02	20%	RACM ⁴ and ACM ⁵	240
Fiber/Rope	Front of Locomotive	SCSD-M4	ASSUMED	Cat. I NF ⁶ and ACM	< 3 ⁷
Tan Fire Brick	Large Steam Donkey-Fire Box	SCSD-M6	ASSUMED	Cat. II NF ⁸ and ACM	190
Gaskets	Large Steam Donkey	SCSD-M7	ASSUMED	Cat. I NF and ACM	N/A ⁹
Gaskets	Small Steam Donkey	SCSD-M8	ASSUMED	Cat. I NF and ACM	N/A
1. %: percent chrysotile asbestos 2. EPA: U.S. Environmental Protection Agency 3. Cal-OSHA: California Occupational Safety and Health Administration 4. RACM: regulated asbestos containing material 5. ACM as defined by Cal-OSHA: asbestos containing material containing 1% or more of asbestos 6. Cat I NF: Category I non-friable 7. <: less than 8. Cat II NF: Category II non-friable 9. N/A: not applicable					

Table 2 presents sampled suspect materials that had results that reported NO asbestos detected by PLM analysis.

Table 2 Materials with No Asbestos Detected Historic Logging Equipment, Scotia, California		
Material	Locations	Sample #s
Tan Fire Brick	Locomotive Fire Box	SCSD-M2-01, SCSD-M2-02
Black Fire Brick	Locomotive Fire Box	SCSD-M3-01
Brake Line Cover	Front of Locomotive	SCSD-M5-01, SCSD-M5-02
Black Mastic	Tanks	SCSD-M9-01

Copies of the asbestos laboratory reports and chain-of-custody documentation are included as Attachment 1. Field notes and a site-sampling map indicating specific sample locations are provided as Attachment 2. Certifications for the Certified Asbestos Consultant are provided as Attachment 3.

Asbestos Materials Classifications

Regulated ACMs (RACMs) are defined by the EPA as being:

- friable asbestos material;
- Category I non-friable ACM that has become friable;
- Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading; or

Lead-Based Paint Analysis

Non-destructive LBP testing was conducted by X-ray fluorescence (XRF) technology using a Niton XRF spectrum analyzer, Model XLp 300, Serial Number 91374. The Niton XLp 300 XRF spectrum analyzer uses a 40-millicurie Cadmium 109 sealed radioactive source with onboard spectrum analyzer software and data storage capability. The testing was performed using the Niton XLp 300 XRF spectrum analyzer in standard mode. Niton analyzers do not have an inconclusive range.

For each test performed, the data that was recorded included the location, component name, substrate composition, sample mode, and sample result for lead content in milligrams per square centimeter (mg/cm²). LBP sampling using an XRF spectrum analyzer allows for the screening of a large number of surfaces for moderate to high lead content without damaging the surface. Each test is assigned a sequential, arbitrary test number by the XRF data management system as the testing proceeds and information pertaining to test location, component tested, and substrate are entered for each test.

Field notes and a site map showing sample locations are included in Attachment 2.

LBP-Site Inspection Results

Of the 43 readings collected, 15 readings tested positive for LBP at or above 1.0 mg/cm², and 14 readings tested positive lead containing paint (LCP), paint with a measureable amount of lead. LBP surfaces include, but are not limited to those presented in Table 3.

Table 3 XRF Results- Surfaces with Lead-based Paint (\geq to 1.0 mg/cm ²) ^{1,2} Historic Logging Equipment, Scotia, California				
Location #	Measurement #	Material	Locations	Result (mg/cm ²)
8	794	Yellow Numbering (#9)	Locomotive-Exhaust	1.8
12	798	Yellow Logo Paint	Locomotive-Logo	3.2
28	815	Yellow Logo Paint	Large Steam Donkey	2.2
29	816	Yellow Logo Paint	Small Steam Donkey	1.1
33	820	Black/Layers of Paint	Steel Pulleys	3.1
34	821	Black/Layers of Paint	Steel Pulleys	2.3
35	822	Black/Layers of Paint	Steel Pulleys	4.4
36	823	Black/Layers of Paint	Steel Pulleys	3.3
37	824	Black/Layers of Paint	Steel Pulleys	1.6
38	825	Black/Layers of Paint	Steel Pulleys	2.5
39	826	Black/Layers of Paint	Steel Pulleys	1.8
40	827	Black/Layers of Paint	Steel Pulleys	2.5
41	828	Black/Layers of Paint	Steel Pulleys	2.7
42	829	Black/Layers of Paint	Steel Pulleys	2.3
43	831	Black/Layers of Paint	Steel Pulleys	2.6
1. \geq : greater than or equal to			2. mg/cm ² : milligrams per square centimeter	