

KETTLEMAN PIPELINE DISTRICT
 May 2002 MAINTENANCE DOCUMENT REVIEW
 CONTENTS AND ISSUES LIST

CONTENTS

SCORING SHEET

OK/minor/significant

AUDIT SHEETS

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###	Good
0	Minor
0	Significant

KETTLEMAN PIPELINE DISTRICT
May 2002 MAINTENANCE DOCUMENT REVIEW
CONTENTS AND ISSUES LIST

ISSUES SUMMARY

In late May '02, 96% of the compliance records examined in the Fall 2001 compliance review and in subsequent reviews in early 2002 meet System Integrity department standards. The district had raised its audit score to 9.3, from the Fall 2001 score of 7.5.

- + The organization of district records is excellent. Individual records are easy to find and complete.
- + Relief valve records (one of the most significant and difficult issues to resolve throughout CGT's system) are now completely in order, as a result of a major effort by the area engineer with support from the district.
- + The pipeline patrol records are well organized and include copies of the annual patrol plans that clearly show how the district is accomplishing and documenting its patrol work.
- + Corrosion records are completely in order.

In early June '02, the remaining issues to be resolved were completed, resulting in no further items to be addressed, and a 10 score.

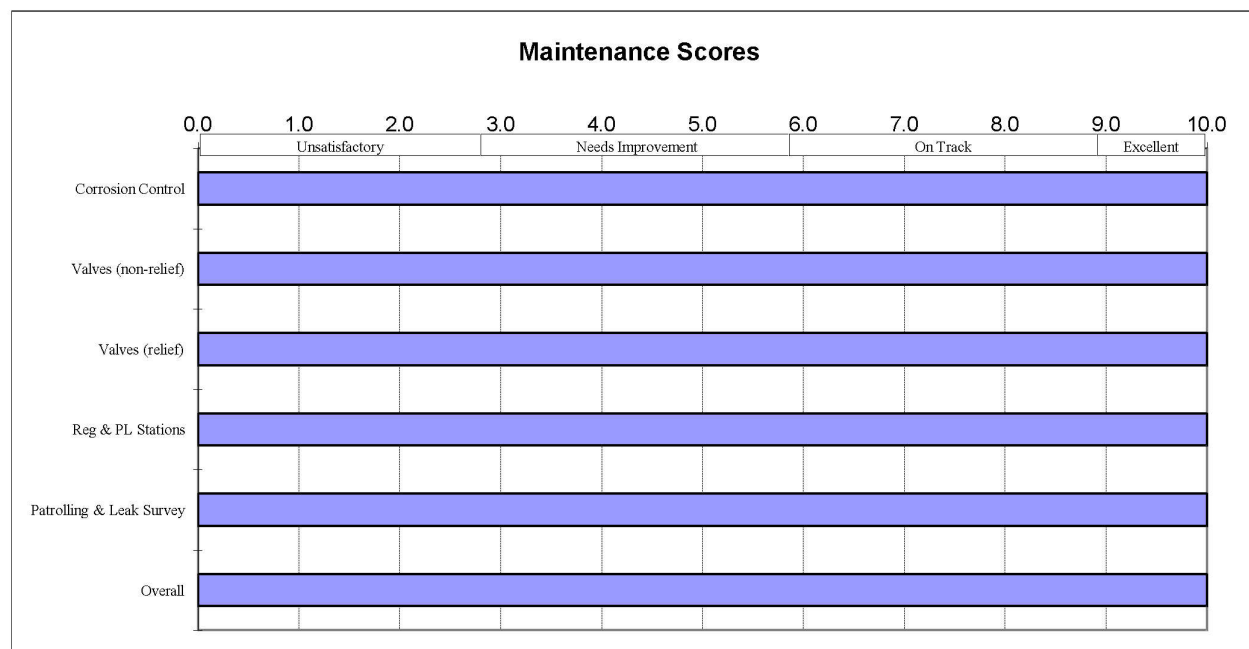
- + The equipment records for ~10% of the valves was completed.

Kettleman Pipeline
 Auditor: [REDACTED]
 5/29/02

Maintenance Audit *Scoring Summary*

Category	Number of Items Audited	OK	Minor Potential	Significant Potential	Weighted Average Category Score	Category Score	Performance Status
Corrosion Control	695	695	0	0	2.3	10.0	Excellent
Valves (non-relief)	1315	1315	0	0	4.3	10.0	Excellent
Valves (relief)	182	182	0	0	0.6	10.0	Excellent
Reg & PL Stations	314	314	0	0	1.0	10.0	Excellent
Patrolling & Leak Survey	555	555	0	0	1.8	10.0	Excellent
Population & %	3061	100%	0%	0%		10.0	
Overall	6	←categories audited			Weighted Average Overall Score	10.0	Excellent

0



District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/28/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line 2

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1	Are the standardized forms being used (Patrol Report, Highways & Railroads, Exposed Piping, Slide Areas)	1		
2	Are the records in the standardized files (primarily the integrity of the organization of the records)	1		
3	System map is in the file indicating the area	1		
4	The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols)	1		
5	When did the district convert to the new aerial program?	5/22/2001 (date)		

PATROLLING / LEAK SURVEY

6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1		
7	The sum of the patrol reports covers the entire pipeline that is to be patrolled/leak surveyed	1		
8	Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?)	1		
9	If flamepacking is performed, the instrument number is shown			
10	All items on list checked as "OK" or "Condition Found"	1		
11	If "Condition Found" is checked, is there an "Issue" documented	1		
12	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"	4	<1 not scored>	
13	Is the Patrol report signed off by the patroller			
14	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol			
15	Is the last "Performed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date"	1		
16	If the patrolling report indicates that a leak was found and/or buried piping was uncovered, was a "leak survey, repair, and inspection" form F4110 filled out.			

SUMMARY

10	0	0
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RESOLVED ITEMS

1 - District is using F4111a in conjunction with the aerial patrol to document what came from the aerial patrol reports. July pipeline patrol form for this line was found in the aerial patrol binder - GOOD! Need to include the aerial patrol date and flight number on the pipeline patrol forms with in the aerial patrol blinder. The pipeline patrol forms should also show the specific segment of pipeline addressed - "L300N" is not sufficiently precise.
 2 - Plan in the file needs to be updated to reflect the new aerial patrol based approach. Old plan for traditional approach is still on top. This will achieve consistency between what is done and what is planned.
 3 - The 4/01 leak survey form is on file. Good!
 4 - Issue should be addressed on the back of the form, not the front, and should be signed and dated. Form was signed and dated, but get the issues signed and dated too.

District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/28/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line 2

	note key	DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
HIGHWAYS & RAILROADS (F4111b)				
17	Top portion of the form is completely filled in.	n/a		
18	Is the range of MP to MP cover entire length?	_____		
19	The roster of highways and railroads is the same as the previous year or explanations are documented	_____		
20	The instrument ID is documented for each patrol at the bottom of the form	_____		
21	If "Issue" is checked, there is an explanation on the back of the form	_____		
22	If an "Issue" is documented, is there an associated "Action", "Action By" and "Date"	_____		
23	Is the Patrol report signed off by the patroller	_____		
24	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	_____		
25	Is the last "Patrol Date" within 4.5 or 7.5 months of the previous "Patrol Date" for each crossing	_____		
SUMMARY		0	0	0

District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/28/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line 2

		DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
EXPOSED PIPING				
26	Top portion of the form is completely filled in? Is the range of MP to MP complete?	1		
27	The roster of exposed piping is the same as the previous year or explanations are documented			
28	If "Issue" is checked, there is an explanation on the back of the form			
29	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"			
30	Is the Patrol report signed off by the patroller	1		
31	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	1	0	
32	Is the last "Patrol Date" within 15 months of the previous "Patrol Date" for each location	1		

SUMMARY

4	0	0
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RESOLVED ITEMS
 6 - 6/5/01 patrol, 8/21 district superintendent sign off. Tighten the system schedule.

UNRESOLVED ITEMS
 5 - No exposed piping in 99, no 2000 year record, yet 2001 record has MP 65. Resolve

TOTAL

14	0	0
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District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/28/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line: 190

	note key	DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
ADMINISTRATIVE INFORMATION				
1		1		
2		1		
3		1		
4		1		
5		5/22/2001 (date)		
PATROLLING / LEAK SURVEY				
6	1	1		
7		1		
8		1		
9				
10				
11				
12				
13				
14				
15		1		
16				
SUMMARY		8	0	0

RESOLVED ITEMS

1 - District is using F4111a in conjunction with the aerial patrol to document what came from the aerial patrol reports. However, no pipeline patrol form for this line was found in the aerial patrol binder, inconsistent with records for line 300. Need to include the pipeline patrol form with aerial patrol date and flight number on the pipeline patrol forms with in the aerial patrol blinder. The pipeline patrol forms should also show the specific segment of pipeline addressed - "L300N" is not sufficiently precise.

2 - Plan in the file needs to be updated to reflect the new aerial patrol based approach. Old plan for traditional approach is still on top. This will achieve consistency between what is done and what is planned.

3 - The 4/01 leak survey form is on file. Good!

District: Kettleman P/L
 Auditor: XXXXXXXXXX
 Date: 5/28/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line: 190

	note key	DEFICIENCY TYPE	
		OK	MINOR SIGNIFICANT
HIGHWAYS & RAILROADS (F4111b)			
17	Top portion of the form is completely filled in.	1	
18	Is the range of MP to MP cover entire length?	1	
19	The roster of highways and railroads is the same as the previous year or explanations are documented	1	
20	The instrument ID is documented for each patrol at the bottom of the form		
21	If "Issue" is checked, there is an explanation on the back of the form		
22	If an "Issue" is documented, is there an associated "Action", "Action By" and "Date"		
23	Is the Patrol report signed off by the patroller	2	
24	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	5	<1 not scored>
25	Is the last "Patrol Date" within 4.5 or 7.5 months of the previous "Patrol Date" for each crossing	5	
	SUMMARY	9	0
		0	0

District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/28/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line: 190

		DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
EXPOSED PIPING				
26	Top portion of the form is completely filled in? Is the range of MP to MP complete?	1		
27	The roster of exposed piping is the same as the previous year or explanations are documented	1		
28	If "Issue" is checked, there is an explanation on the back of the form			
29	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"			
30	Is the Patrol report signed off by the patroller	1		
31	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	4	1	0
32	Is the last "Patrol Date" within 15 months of the previous "Patrol Date" for each location	1		

SUMMARY

5	0	0
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RESOLVED ITEMS

4 - district superintendent sign off 8/21/01 for 5/30/01 patrol
 5 - 9/01 and 1/01 patrols were conducted, yet 7/01 aerial patrol is in place making the 9/01 patrol unnecessary. Convert to quarterly aerial patrol and suspend the foot patrol for consistency.

TOTAL

22	0	0
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District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L300A
 226-PLS4

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1	Are the standardized forms being used (Patrol Report, Highways & Railroads, Exposed Piping, Slide Areas)	1		
2	Are the records in the standardized files (primarily the integrity of the organization of the records)	1		
3	System map is in the file indicating the area	1		
4	The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols)	1		
5	When did the district convert to the new aerial program?	5/22/2001 (date)		

PATROLLING / LEAK SURVEY

6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1		
7	The sum of the patrol reports covers the entire pipeline that is to be patrolled/leak surveyed	1		
8	Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?)	1		
9	If flamepacking is performed, the instrument number is shown	1		
10	All items on list checked as "OK" or "Condition Found"	1		
11	If "Condition Found" is checked, is there an "Issue" documented	1		
12	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"	1		
13	Is the Patrol report signed off by the patroller	1		
14	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	1		
15	Is the last "Performed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date"	1		
16	If the patrolling report indicates that a leak was found and/or buried piping was uncovered, was a "leak survey, repair, and inspection" form F4110 filled out.	1		

SUMMARY

9	0	0
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RESOLVED ITEMS

- 1 - District is using F4111a in conjunction with the aerial patrol to document what came from the aerial patrol reports. Pipeline patrol forms for L300 in general were found in the aerial patrol binder....Good! Need to include the pipeline patrol form with aerial patrol date and flight number on the pipeline patrol forms with in the aerial patrol blinder. The pipeline patrol forms should also show the specific segment of pipeline addressed - e.g., "L300N" is not sufficiently precise.
- 2 - Plan in the file needs to be updated to reflect the new aerial patrol based approach. Old plan for traditional approach is still on top. This will achieve consistency between what is done and what is planned.
- 3 - The 4/01 leak survey form is on file. Good!

District: Kettleman P/L
 Auditor: ██████████
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L300A
 226-PLS4

	note key	DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
HIGHWAYS & RAILROADS (F4111b)				
17	4	1		
18		1		
19		1		
20				
21				
22				
23		1		
24		1		
25		1		
SUMMARY		6	0	0

District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L300A
 226-PLS4

		DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
EXPOSED PIPING				
26	Top portion of the form is completely filled in? Is the range of MP to MP complete?	1		
27	The roster of exposed piping is the same as the previous year or explanations are documented	1		
28	If "Issue" is checked, there is an explanation on the back of the form			
29	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"			
30	Is the Patrol report signed off by the patroller	1		
31	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	1		
32	Is the last "Patrol Date" within 15 months of the previous "Patrol Date" for each location	31		
		6		
		5		
SUMMARY		35	0	0

<p>RESOLVED ITEMS 4 - The second crossing patrol is entirely blank. First patrol was 1/01. Note should be included with reference to the quarterly aerial patrol. 5 - no record was found for 226.55 . Confirmed that paradigm shows his work was done, and update the compliance documentation. IN HINKLEY DISTRICT. 6 - Ensure that the expose piping is really as issue-free and shown.</p>
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TOTAL	50	0	0
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District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**GSMandTS
 PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L300A
 PLS4-309

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1	Are the standardized forms being used (Patrol Report, Highways & Railroads, Exposed Piping, Slide Areas)	1		
2	Are the records in the standardized files (primarily the integrity of the organization of the records)	1		
3	System map is in the file indicating the area	1		
4	The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols)	1		
5	When did the district convert to the new aerial program?	5/22/2001 (date)		

PATROLLING / LEAK SURVEY

6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1		
7	The sum of the patrol reports covers the entire pipeline that is to be patrolled/leak surveyed	1		
8	Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?)	1		
9	If flamepacking is performed, the instrument number is shown	1		
10	All items on list checked as "OK" or "Condition Found"	1		
11	If "Condition Found" is checked, is there an "Issue" documented	1		
12	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"	1		
13	Is the Patrol report signed off by the patroller	1		
14	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	1		
15	Is the last "Performed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date"	1		
16	If the patrolling report indicates that a leak was found and/or buried piping was uncovered, was a "leak survey, repair, and inspection" form F4110 filled out.	1		

SUMMARY

9	0	0
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RESOLVED ITEMS

1 - District is using F4111a in conjunction with the aerial patrol to document what came from the aerial patrol reports. Pipeline patrol forms for L300 in general were found in the aerial patrol binder...Good! Need to include the pipeline patrol form with aerial patrol date and flight number on the pipeline patrol forms with in the aerial patrol blinder. The pipeline patrol forms should also show the specific segment of pipeline addressed - e.g., "L300N" is not sufficiently precise.

2 - Plan in the file needs to be updated to reflect the new aerial patrol based approach. Old plan for traditional approach is still on top. This will achieve consistency between what is done and what is planned.

3 - The 4/01 leak survey form is on file. Good!

District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

GSMandTS
PATROLLING / LEAK SURVEY
RECORD AUDIT SHEET

L300A
 PLS4-309

	note key	DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
HIGHWAYS & RAILROADS (F4111b)				
17		1		
18		1		
19		1		
20				
21				
22				
23		1		
24		1		
25	4	1		
SUMMARY		6	0	0

District: Kettleman P/L
 Auditor: ██████████
 Date: 5/29/02

**GSMandTS
 PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L300A
 PLS4-309

	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT
EXPOSED PIPING			
26 Top portion of the form is completely filled in? Is the range of MP to MP complete?	n/a		
27 The roster of exposed piping is the same as the previous year or explanations are documented	_____	_____	_____
28 If "Issue" is checked, there is an explanation on the back of the form	_____	_____	_____
29 If an "Issue" is documented, is there an associated Action, "Action By" and "Date"	_____	_____	_____
30 Is the Patrol report signed off by the patroller	_____	_____	_____
31 Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	_____	_____	_____
32 Is the last "Patrol Date" within 15 months of the previous "Patrol Date" for each location	_____	_____	_____

SUMMARY	0	0	0
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RESOLVED ITEMS
 4 - The second crossing patrol is entirely blank. First patrol was 1/01. Note should be included with reference to the quarterly aerial patrol.

TOTAL	15	0	0
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District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L300A
 309-KCS

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1	Are the standardized forms being used (Patrol Report, Highways & Railroads, Exposed Piping, Slide Areas)			
2	Are the records in the standardized files (primarily the integrity of the organization of the records)	1		
3	System map is in the file indicating the area	1		
4	The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols)	1		
5	When did the district convert to the new aerial program?	5/22/2001 (date)		

PATROLLING / LEAK SURVEY

6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1		
7	The sum of the patrol reports covers the entire pipeline that is to be patrolled/leak surveyed	1		
8	Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?)	1		
9	If flamepacking is performed, the instrument number is shown			
10	All items on list checked as "OK" or "Condition Found"	1		
11	If "Condition Found" is checked, is there an "Issue" documented	1		
12	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"			
13	Is the Patrol report signed off by the patroller			
14	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol			
15	Is the last "Performed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date"	1		
16	If the patrolling report indicates that a leak was found and/or buried piping was uncovered, was a "leak survey, repair, and inspection" form F4110 filled out.			

SUMMARY

8	0	0
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RESOLVED ITEMS

1 - District is using F4111a in conjunction with the aerial patrol to document what came from the aerial patrol reports. Pipeline patrol forms for L300 in general were found in the aerial patrol binder....Good! Need to include the pipeline patrol form with aerial patrol date and flight number on the pipeline patrol forms with in the aerial patrol blinder. The pipeline patrol forms should also show the specific segment of pipeline addressed - e.g., "L300N" is not sufficiently precise.
 2 - Plan in the file needs to be updated to reflect the new aerial patrol based approach. Old plan for traditional approach is still on top. This will achieve consistency between what is done and what is planned.
 3 - The 4/01 leak survey form is on file. Good!

District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L300A
 309-KCS

	note key	DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
HIGHWAYS & RAILROADS (F4111b)				
17	Top portion of the form is completely filled in.	1		
18	Is the range of MP to MP cover entire length?	1		
19	The roster of highways and railroads is the same as the previous year or explanations are documented	1		
20	The instrument ID is documented for each patrol at the bottom of the form			
21	If "Issue" is checked, there is an explanation on the back of the form			
22	If an "Issue" is documented, is there an associated "Action", "Action By" and "Date"			
23	Is the Patrol report signed off by the patroller	1		
24	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	1		
25	Is the last "Patrol Date" within 4.5 or 7.5 months of the previous "Patrol Date" for each crossing	1		
SUMMARY		6	0	0

District: Kettleman P/L
 Auditor: ██████████
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L300A
 309-KCS

	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT
EXPOSED PIPING			
26 Top portion of the form is completely filled in? Is the range of MP to MP complete?	1		
27 The roster of exposed piping is the same as the previous year or explanations are documented	1		
28 If "Issue" is checked, there is an explanation on the back of the form	15		
29 If an "Issue" is documented, is there an associated Action, "Action By" and "Date"	15		
30 Is the Patrol report signed off by the patroller	1		
31 Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	5	0	
32 Is the last "Patrol Date" within 15 months of the previous "Patrol Date" for each location	6		0
	16		
SUMMARY	50	0	0

RESOLVED ITEMS
 4 - The second crossing patrol includes the note "records are in paradigm". First patrol was 1/01. The approach is generally correct since it is consistent with a conversion to the quarterly burial patrol process, but the reference should be to the quarterly aerial patrol, not to paradigm.
 5 - 6/25/01 patrol, 8/21 district superintendent sign off. Tighten the system schedule.
 6 - No patrol on MP 343? PLM confirms work was done. Records are uptodate.

TOTAL	64	0	0
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District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line: 300A
 KCS - 405.2

the

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1	Are the standardized forms being used (Patrol Report, Highways & Railroads, Exposed Piping, Slide Areas)	_____		
2	Are the records in the standardized files (primarily the integrity of the organization of the records)	1	_____	
3	System map is in the file indicating the area	1	_____	
4	The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols)	1	_____	
5	When did the district convert to the new aerial program?	5/22/2001	_____	
		(date)		

PATROLLING / LEAK SURVEY

6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1	_____	
7	The sum of the patrol reports covers the entire pipeline that is to be patrolled/leak surveyed	1	_____	
8	Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?)	1	_____	
9	If flamepacking is performed, the instrument number is shown		_____	
10	All items on list checked as "OK" or "Condition Found"		_____	
11	If "Condition Found" is checked, is there an "Issue" documented		_____	
12	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"		_____	
13	Is the Patrol report signed off by the patroller		_____	
14	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol		_____	
15	Is the last "Performed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date"	1	_____	
16	If the patrolling report indicates that a leak was found and/or buried piping was uncovered, was a "leak survey, repair, and inspection" form F4110 filled out.		_____	

SUMMARY

7	0	0
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RESOLVED ITEMS

- 1 - District is using F4111a in conjunction with the aerial patrol to document what came from the aerial patrol reports. This is filed in aerial patrol binder. Need to include the aerial patrol date and flight number on the pipeline patrol forms with in the aerial patrol blinder. The pipeline patrol forms should also show the specific segment of pipeline addressed - "L300N" is not sufficiently precise.
- 2 - Plan in the file needs to be updated to reflect the new aerial patrol based approach. Old plan for traditional approach is still on top. This will achieve consistency between what is done and what is planned.
- 3 - The 4/01 leak survey form is on file. Good!

District: Kettleman P/L
 Auditor: ██████████
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line: 300A
 KCS - 405.2

	note key	DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
HIGHWAYS & RAILROADS (F4111b)				
17	Top portion of the form is completely filled in.	1		
18	Is the range of MP to MP cover entire length?	1		
19	The roster of highways and railroads is the same as the previous year or explanations are documented	1		
20	The instrument ID is documented for each patrol at the bottom of the form			
21	If "Issue" is checked, there is an explanation on the back of the form			
22	If an "Issue" is documented, is there an associated "Action", "Action By" and "Date"			
23	Is the Patrol report signed off by the patroller	1		
24	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	1		
25	Is the last "Patrol Date" within 4.5 or 7.5 months of the previous "Patrol Date" for each crossing	7		
SUMMARY		5	0	0

District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line: 300A
 KCS - 405.2

		DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
EXPOSED PIPING				
26	Top portion of the form is completely filled in? Is the range of MP to MP complete?	1		
27	The roster of exposed piping is the same as the previous year or explanations are documented	1		
28	If "Issue" is checked, there is an explanation on the back of the form	38		
29	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"	4	38	
30	Is the Patrol report signed off by the patroller	3		
31	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	5	3	
32	Is the last "Patrol Date" within 15 months of the previous "Patrol Date" for each location	38		

SUMMARY

122	0	0
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RESOLVED ITEMS

4 - "Action By" is 9/16/01, yet patrol is 6/25/01 and 6/5-6/01. Documentation needs to be addressed promptly to stay current, and to take advantage of short-term memory.
 5 - Distr supt review was two months after patrol, one month late. Set up a system that accomplishes prompt review.
 6 - The note in the files advising of the change to aerial needs to be specific to "leak survey", "crossings", etc., and needs to refer the reader to the appropriate aerial patrol binder or file.
 7 - F4111b contains no second patrol information. Need to add a note deferring to the quarterly aerial patrol records.
 8 - The note addressing the new "leak survey" effective 5/22/01 should maybe address "crossings" instead? Recommend adding a reference to the aerial patrol files so readers know where to find records.

TOTAL

134	0	0
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District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L300B
 226-PLS4

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1	Are the standardized forms being used (Patrol Report, Highways & Railroads, Exposed Piping, Slide Areas)	1		
2	Are the records in the standardized files (primarily the integrity of the organization of the records)	1		
3	System map is in the file indicating the area	1		
4	The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols)	1		
5	When did the district convert to the new aerial program?	5/22/2001 (date)		

PATROLLING / LEAK SURVEY

6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1		
7	The sum of the patrol reports covers the entire pipeline that is to be patrolled/leak surveyed	1		
8	Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?)	1		
9	If flamepacking is performed, the instrument number is shown			
10	All items on list checked as "OK" or "Condition Found"	1		
11	If "Condition Found" is checked, is there an "Issue" documented	1		
12	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"			
13	Is the Patrol report signed off by the patroller			
14	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol			
15	Is the last "Performed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date"	1		
16	If the patrolling report indicates that a leak was found and/or buried piping was uncovered, was a "leak survey, repair, and inspection" form F4110 filled out.			

SUMMARY

9	0	0
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RESOLVED ITEMS

- 1 - District is using F4111a in conjunction with the aerial patrol to document what came from the aerial patrol reports. Pipeline patrol forms for L300 in general were found in the aerial patrol binder...Good! Need to include the pipeline patrol form with aerial patrol date and flight number on the pipeline patrol forms with in the aerial patrol blinder. The pipeline patrol forms should also show the specific segment of pipeline addressed - e.g., "L300N" is not sufficiently precise.
- 2 - Plan in the file needs to be updated to reflect the new aerial patrol based approach. Old plan for traditional approach is still on top. This will achieve consistency between what is done and what is planned.
- 3 - The 4/01 leak survey form is on file. Good!

District: Kettleman P/L
 Auditor: ██████████
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L300B
 226-PLS4

	note key	DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
HIGHWAYS & RAILROADS (F4111b)				
17	Top portion of the form is completely filled in.	1		
18	Is the range of MP to MP cover entire length?	1		
19	The roster of highways and railroads is the same as the previous year or explanations are documented	1		
20	The instrument ID is documented for each patrol at the bottom of the form			
21	If "Issue" is checked, there is an explanation on the back of the form			
22	If an "Issue" is documented, is there an associated "Action", "Action By" and "Date"			
23	Is the Patrol report signed off by the patroller	1		
24	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	1		
25	Is the last "Patrol Date" within 4.5 or 7.5 months of the previous "Patrol Date" for each crossing	4 1		
SUMMARY		6	0	0

District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L300B
 226-PLS4

		DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
EXPOSED PIPING				
26	Top portion of the form is completely filled in? Is the range of MP to MP complete?	1		
27	The roster of exposed piping is the same as the previous year or explanations are documented	1		
28	If "Issue" is checked, there is an explanation on the back of the form			
29	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"	6		
30	Is the Patrol report signed off by the patroller	1		
31	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	1		
32	Is the last "Patrol Date" within 15 months of the previous "Patrol Date" for each location	5	34	
SUMMARY		38	0	0

RESOLVED ITEMS
 4 - The second crossing patrol is entirely blank. First patrol was 1/01. Note should be included with reference to the quarterly aerial patrol.
 5 - 34 are checked for 2001, 4 are not checked or signed off on page 2. The notes or confirmation that this work was done per PLM, and compliance documentation updated. PLM CONFIRMED WORK WAS DONE.
 6 - No issues are shown on this segment, yet in many others in the district, span coating is shown as an issue. The CPUC has found instances where span coating was poor yet documentation showed OK. it is recommended that special care be taken to ensure that this is correct throughout the district.

TOTAL	53	0	0
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District: Kettleman P/L
 Auditor: ██████████
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L300B
 PLS4-309

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1	Are the standardized forms being used (Patrol Report, Highways & Railroads, Exposed Piping, Slide Areas)	1		
2	Are the records in the standardized files (primarily the integrity of the organization of the records)	1		
3	System map is in the file indicating the area	1		
4	The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols)	1		
5	When did the district convert to the new aerial program?	5/22/2001 (date)		

PATROLLING / LEAK SURVEY

6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1		
7	The sum of the patrol reports covers the entire pipeline that is to be patrolled/leak surveyed	1		
8	Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?)	1		
9	If flamepacking is performed, the instrument number is shown	1		
10	All items on list checked as "OK" or "Condition Found"	1		
11	If "Condition Found" is checked, is there an "Issue" documented	1		
12	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"	1		
13	Is the Patrol report signed off by the patroller	1		
14	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	1		
15	Is the last "Performed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date"	1		
16	If the patrolling report indicates that a leak was found and/or buried piping was uncovered, was a "leak survey, repair, and inspection" form F4110 filled out.	1		

SUMMARY

9	0	0
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RESOLVED ITEMS

- 1 - District is using F4111a in conjunction with the aerial patrol to document what came from the aerial patrol reports. Pipeline patrol forms for L300 in general were found in the aerial patrol binder...Good! Need to include the pipeline patrol form with aerial patrol date and flight number on the pipeline patrol forms with in the aerial patrol blinder. The pipeline patrol forms should also show the specific segment of pipeline addressed - e.g., "L300N" is not sufficiently precise.
- 2 - Plan in the file needs to be updated to reflect the new aerial patrol based approach. Old plan for traditional approach is still on top. This will achieve consistency between what is done and what is planned.
- 3 - The 4/01 leak survey form is on file. Good!

District: Kettleman P/L
 Auditor: ██████████
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L300B
 PLS4-309

	note key	DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
HIGHWAYS & RAILROADS (F4111b)				
17	Top portion of the form is completely filled in.	1		
18	Is the range of MP to MP cover entire length?	1		
19	The roster of highways and railroads is the same as the previous year or explanations are documented	1		
20	The instrument ID is documented for each patrol at the bottom of the form			
21	If "Issue" is checked, there is an explanation on the back of the form			
22	If an "Issue" is documented, is there an associated "Action", "Action By" and "Date"			
23	Is the Patrol report signed off by the patroller	1		
24	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	1		
25	Is the last "Patrol Date" within 4.5 or 7.5 months of the previous "Patrol Date" for each crossing	4 1		
SUMMARY		6	0	0

District: Kettleman P/L
 Auditor: ██████████
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L300B
 PLS4-309

	DEFICIENCY TYPE	
	OK	SIGNIFICANT
EXPOSED PIPING		
26 Top portion of the form is completely filled in? Is the range of MP to MP complete?	n/a	
27 The roster of exposed piping is the same as the previous year or explanations are documented		
28 If "Issue" is checked, there is an explanation on the back of the form		
29 If an "Issue" is documented, is there an associated Action, "Action By" and "Date"		
30 Is the Patrol report signed off by the patroller		
31 Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol		
32 Is the last "Patrol Date" within 15 months of the previous "Patrol Date" for each location		

SUMMARY	0	0	0
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<p>RESOLVED ITEMS 4 - The second crossing patrol is entirely blank. First patrol was 1/01. Note should be included with reference to the quarterly aerial patrol.</p>

TOTAL	15	0	0
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District: Kettleman P/L
 Auditor: ██████████
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L300B
 309-KCS

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1	Are the standardized forms being used (Patrol Report, Highways & Railroads, Exposed Piping, Slide Areas)				
2	Are the records in the standardized files (primarily the integrity of the organization of the records)	1			
3	System map is in the file indicating the area	1			
4	The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols)	1			
5	When did the district convert to the new aerial program?	5/22/2001 (date)			

PATROLLING / LEAK SURVEY

6	"Area" through "Special Equipment Needed" portion of the form is completely filled in				
7	The sum of the patrol reports covers the entire pipeline that is to be patrolled/leak surveyed	1			
8	Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?)	1			
9	If flamepacking is performed, the instrument number is shown				
10	All items on list checked as "OK" or "Condition Found"	1			
11	If "Condition Found" is checked, is there an "Issue" documented	1			
12	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"				
13	Is the Patrol report signed off by the patroller				
14	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol				
15	Is the last "Performed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date"	1			
16	If the patrolling report indicates that a leak was found and/or buried piping was uncovered, was a "leak survey, repair, and inspection" form F4110 filled out.				

SUMMARY

8	0	0
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RESOLVED ITEMS

- 1 - District is using F4111a in conjunction with the aerial patrol to document what came from the aerial patrol reports. Pipeline patrol forms for L300 in general were found in the aerial patrol binder...Good! Need to include the pipeline patrol form with aerial patrol date and flight number on the pipeline patrol forms with in the aerial patrol blinder. The pipeline patrol forms should also show the specific segment of pipeline addressed - e.g., "L300N" is not sufficiently precise.
- 2 - Plan in the file needs to be updated to reflect the new aerial patrol based approach. Old plan for traditional approach is still on top. This will achieve consistency between what is done and what is planned.
- 3 - The 4/01 leak survey form is on file. Good!

District: Kettleman P/L
 Auditor: ██████████
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L300B
 309-KCS

	note key	DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
HIGHWAYS & RAILROADS (F4111b)				
17	4	1		
18		1		
19		1		
20				
21				
22				
23		1		
24		1		
25		1		
SUMMARY		6	0	0

District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L300B
 309-KCS

		DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
EXPOSED PIPING				
26	Top portion of the form is completely filled in? Is the range of MP to MP complete?	1		
27	The roster of exposed piping is the same as the previous year or explanations are documented	1		
28	If "Issue" is checked, there is an explanation on the back of the form	5		
29	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"	5		
30	Is the Patrol report signed off by the patroller	1		
31	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	5		
32	Is the last "Patrol Date" within 15 months of the previous "Patrol Date" for each location	5		

SUMMARY

19	0	0
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RESOLVED ITEMS

4 - The second crossing patrol includes the note "records are in paradigm". First patrol was 1/01. The approach is generally correct since it is consistent with a conversion to the quarterly burial patrol process, but the reference should be to the quarterly aerial patrol, not to paradigm.
 5 - 6/25/01 patrol, 8/21 district superintendent sign off. Tighten the system schedule.

TOTAL

33	0	0
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District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line: 300B
 KCS - 405.2

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1	Are the standardized forms being used (Patrol Report, Highways & Railroads, Exposed Piping, Slide Areas)	_____		
2	Are the records in the standardized files (primarily the integrity of the organization of the records)	1	_____	
3	System map is in the file indicating the area	1	_____	
4	The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols)	1	_____	
5	When did the district convert to the new aerial program?	5/22/2001	_____	
		(date)		

PATROLLING / LEAK SURVEY

6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1	_____	
7	The sum of the patrol reports covers the entire pipeline that is to be patrolled/leak surveyed	1	_____	
8	Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?)	1	_____	
9	If flamepacking is performed, the instrument number is shown		_____	
10	All items on list checked as "OK" or "Condition Found"		_____	
11	If "Condition Found" is checked, is there an "Issue" documented		_____	
12	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"		_____	
13	Is the Patrol report signed off by the patroller		_____	
14	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol		_____	
15	Is the last "Performed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date"	1	_____	
16	If the patrolling report indicates that a leak was found and/or buried piping was uncovered, was a "leak survey, repair, and inspection" form F4110 filled out.		_____	

SUMMARY

7	0	0
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RESOLVED ITEMS

- 1 - District is using F4111a in conjunction with the aerial patrol to document what came from the aerial patrol reports. This is filed in aerial patrol binder. Need to include the aerial patrol date and flight number on the pipeline patrol forms with in the aerial patrol blinder. The pipeline patrol forms should also show the specific segment of pipeline addressed - "L300N" is not sufficiently precise.
- 2 - Plan in the file needs to be updated to reflect the new aerial patrol based approach. Old plan for traditional approach is still on top. This will achieve consistency between what is done and what is planned.
- 3 - The 4/01 leak survey form is on file. Good!

District: Kettleman P/L
 Auditor: ██████████
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line: 300B
 KCS - 405.2

	note key	DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
HIGHWAYS & RAILROADS (F4111b)	4			
17 Top portion of the form is completely filled in.	1	1		
18 Is the range of MP to MP cover entire length?	1	1		
19 The roster of highways and railroads is the same as the previous year or explanations are documented	1			
20 The instrument ID is documented for each patrol at the bottom of the form				
21 If "Issue" is checked, there is an explanation on the back of the form				
22 If an "Issue" is documented, is there an associated "Action", "Action By" and "Date"				
23 Is the Patrol report signed off by the patroller	1			
24 Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	1			
25 Is the last "Patrol Date" within 4.5 or 7.5 months of the previous "Patrol Date" for each crossing	1			
SUMMARY		6	0	0

District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line: 300B
 KCS - 405.2

		DEFICIENCY TYPE	
		OK	SIGNIFICANT
EXPOSED PIPING			
26	Top portion of the form is completely filled in? Is the range of MP to MP complete?	1	
27	The roster of exposed piping is the same as the previous year or explanations are documented	1	
28	If "Issue" is checked, there is an explanation on the back of the form	24	
29	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"	24	
30	Is the Patrol report signed off by the patroller	1	
31	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol		
32	Is the last "Patrol Date" within 15 months of the previous "Patrol Date" for each location	38	

SUMMARY

89	0	0
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RESOLVED ITEMS

4 - The second crossing patrol includes the note "records are in paradigm". First patrol was 1/01. The approach is generally correct since it is consistent with a conversion to the quarterly burial patrol process, but the reference should be to the quarterly aerial patrol, not to paradigm.
 5 - should have a complete action plan for the crossing back filled by the farmer, since it can't be left in the current state. M. P. 378.38
 6 - 5/31 inspection, 8/21 sign off. Tighten up the review process.

102	0	0
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District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L 306

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1	Are the standardized forms being used (Patrol Report, Highways & Railroads, Exposed Piping, Slide Areas)			
2	Are the records in the standardized files (primarily the integrity of the organization of the records)	1		
3	System map is in the file indicating the area	1		
4	The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols)	1		
5	When did the district convert to the new aerial program?	5/22/2001 (date)		

PATROLLING / LEAK SURVEY

6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1		
7	The sum of the patrol reports covers the entire pipeline that is to be patrolled/leak surveyed	1		
8	Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?)	1		
9	If flamepacking is performed, the instrument number is shown			
10	All items on list checked as "OK" or "Condition Found"	1		
11	If "Condition Found" is checked, is there an "Issue" documented	1		
12	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"			
13	Is the Patrol report signed off by the patroller			
14	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol			
15	Is the last "Performed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date"	1		
16	If the patrolling report indicates that a leak was found and/or buried piping was uncovered, was a "leak survey, repair, and inspection" form F4110 filled out.			

SUMMARY

8	0	0
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RESOLVED ITEMS

1 - District is using F4111a in conjunction with the aerial patrol to document what came from the aerial patrol reports. However, no pipeline patrol form for this line was found in the aerial patrol binder, inconsistent with records for line 300. Need to include the pipeline patrol form with aerial patrol date and flight number on the pipeline patrol forms with in the aerial patrol binder. The pipeline patrol forms should also show the specific segment of pipeline addressed - e.g., "L300N" is not sufficiently precise.
 2 - Plan in the file needs to be updated to reflect the new aerial patrol based approach. Old plan for traditional approach is still on top. This will achieve consistency between what is done and what is planned.
 3 - The 4/01 leak survey form is on file. Good!

District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L 306

	note key	DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
HIGHWAYS & RAILROADS (F4111b)	4			
17 Top portion of the form is completely filled in.	1	1		
18 Is the range of MP to MP cover entire length?	1	1		
19 The roster of highways and railroads is the same as the previous year or explanations are documented		1		
20 The instrument ID is documented for each patrol at the bottom of the form				
21 If "Issue" is checked, there is an explanation on the back of the form				
22 If an "Issue" is documented, is there an associated "Action", "Action By" and "Date"				
23 Is the Patrol report signed off by the patroller	1			
24 Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	1			
25 Is the last "Patrol Date" within 4.5 or 7.5 months of the previous "Patrol Date" for each crossing	1			
SUMMARY		6	0	0

District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L 306

		DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
EXPOSED PIPING				
26	Top portion of the form is completely filled in? Is the range of MP to MP complete?	1		
27	The roster of exposed piping is the same as the previous year or explanations are documented	1		
28	If "Issue" is checked, there is an explanation on the back of the form			
29	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"			
30	Is the Patrol report signed off by the patroller	1		
31	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	5		
32	Is the last "Patrol Date" within 15 months of the previous "Patrol Date" for each location	1		

SUMMARY

4	0	0
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RESOLVED ITEMS

4 - The second crossing patrol includes the note "records are in paradigm". First patrol was 1/01. The approach is generally correct since it is consistent with a conversion to the quarterly burial patrol process, but the reference should be to the quarterly aerial patrol, not to paradigm.
 5 - 5/30/01 patrol, 8/21 district superintendent sign off. Tighten the system schedule.

TOTAL

18	0	0
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District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L 401, 399-Panoche

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1	Are the standardized forms being used (Patrol Report, Highways & Railroads, Exposed Piping, Slide Areas)	1		
2	Are the records in the standardized files (primarily the integrity of the organization of the records)	1		
3	System map is in the file indicating the area	1		
4	The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols)	1		
5	When did the district convert to the new aerial program?	5/22/2001 (date)		

PATROLLING / LEAK SURVEY

6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1		
7	The sum of the patrol reports covers the entire pipeline that is to be patrolled/leak surveyed	1		
8	Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?)	1		
9	If flamepacking is performed, the instrument number is shown			
10	All items on list checked as "OK" or "Condition Found"	1		
11	If "Condition Found" is checked, is there an "Issue" documented	1		
12	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"			
13	Is the Patrol report signed off by the patroller			
14	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol			
15	Is the last "Performed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date"	1		
16	If the patrolling report indicates that a leak was found and/or buried piping was uncovered, was a "leak survey, repair, and inspection" form F4110 filled out.			

SUMMARY

10	0	0
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RESOLVED ITEMS

- 1 - District is using F4111a in conjunction with the aerial patrol to document what came from the aerial patrol reports. July aerial patrol and pipeline patrol forms for this line were missing, probably due to the 9/11 U.S. air system shutdown. It is recommended that the district added aerial patrol reports from June so that the quarterly patrol section of the binder is still complete. Need to include the aerial patrol date and flight number on the pipeline patrol forms in the aerial patrol binder. The pipeline patrol forms should also show the specific segment of pipeline addressed - e.g., "L300N" is not sufficiently precise.
- 2 - Plan in the file needs to be updated to reflect the new aerial patrol based approach. Old plan for traditional approach is still on top. This will achieve consistency between what is done and what is planned.
- 3 - The 4/01 leak survey form is on file. Good!

District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L 401, 399-Panoche

	note key	DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
HIGHWAYS & RAILROADS (F4111b)				
17	Top portion of the form is completely filled in.	n/a		
18	Is the range of MP to MP cover entire length?	_____		
19	The roster of highways and railroads is the same as the previous year or explanations are documented	_____		
20	The instrument ID is documented for each patrol at the bottom of the form	_____		
21	If "Issue" is checked, there is an explanation on the back of the form	_____		
22	If an "Issue" is documented, is there an associated "Action", "Action By" and "Date"	_____		
23	Is the Patrol report signed off by the patroller	_____		
24	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	_____		
25	Is the last "Patrol Date" within 4.5 or 7.5 months of the previous "Patrol Date" for each crossing	_____		
SUMMARY		0	0	0

District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

L 401, 399-Panoche

	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT
EXPOSED PIPING			
26 Top portion of the form is completely filled in? Is the range of MP to MP complete?	1		
27 The roster of exposed piping is the same as the previous year or explanations are documented			
28 If "Issue" is checked, there is an explanation on the back of the form			
29 If an "Issue" is documented, is there an associated Action, "Action By" and "Date"			
30 Is the Patrol report signed off by the patroller	1		
31 Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	4		
32 Is the last "Patrol Date" within 15 months of the previous "Patrol Date" for each location	1		

SUMMARY	3	0	0
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<p>RESOLVED ITEMS 4 - 6/5/01 patrol, 8/21 district superintendent sign off. Tighten the system schedule.</p>
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TOTAL	13	0	0
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District: Kettleman P/L
 Auditor: ██████████
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line: Anderson

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1	Are the standardized forms being used (Patrol Report, Highways & Railroads, Exposed Piping, Slide Areas)	1		
2	Are the records in the standardized files (primarily the integrity of the organization of the records)	1		
3	System map is in the file indicating the area	1		
4	The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols)	1		
5	When did the district convert to the new aerial program?	5/22/2001 (date)		

PATROLLING / LEAK SURVEY

6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1		
7	The sum of the patrol reports covers the entire pipeline that is to be patrolled/leak surveyed	1		
8	Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?)	1		
9	If flamepacking is performed, the instrument number is shown			
10	All items on list checked as "OK" or "Condition Found"			
11	If "Condition Found" is checked, is there an "Issue" documented			
12	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"			
13	Is the Patrol report signed off by the patroller			
14	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol			
15	Is the last "Performed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date"	1		
16	If the patrolling report indicates that a leak was found and/or buried piping was uncovered, was a "leak survey, repair, and inspection" form F4110 filled out.			

SUMMARY

8	0	0
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RESOLVED ITEMS

1 - District is using F4111a in conjunction with the aerial patrol to document what came from the aerial patrol reports. However, no pipeline patrol form for this line was found in the aerial patrol binder, inconsistent with records for line 300. Need to include the pipeline patrol form with aerial patrol date and flight number on the pipeline patrol forms with in the aerial patrol blinder. The pipeline patrol forms should also show the specific segment of pipeline addressed - "L300N" is not sufficiently precise.
 2 - Plan in the file needs to be updated to reflect the new aerial patrol based approach. Old plan for traditional approach is still on top. This will achieve consistency between what is done and what is planned.
 3 - The 4/01 leak survey form is on file. Good!

District: Kettleman P/L
 Auditor: ██████████
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line: Anderson

	note key	DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
HIGHWAYS & RAILROADS (F4111b)	4			
17 Top portion of the form is completely filled in.		_____		
18 Is the range of MP to MP cover entire length?		_____		
19 The roster of highways and railroads is the same as the previous year or explanations are documented		_____		_____
20 The instrument ID is documented for each patrol at the bottom of the form		_____		_____
21 If "Issue" is checked, there is an explanation on the back of the form		_____		_____
22 If an "Issue" is documented, is there an associated "Action", "Action By" and "Date"		_____		_____
23 Is the Patrol report signed off by the patroller		_____		_____
24 Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol		_____		_____
25 Is the last "Patrol Date" within 4.5 or 7.5 months of the previous "Patrol Date" for each crossing		_____		_____
SUMMARY		0	0	0

District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line: Anderson

	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT
EXPOSED PIPING			
26 Top portion of the form is completely filled in? Is the range of MP to MP complete?	n/a		
27 The roster of exposed piping is the same as the previous year or explanations are documented	_____	_____	_____
28 If "Issue" is checked, there is an explanation on the back of the form	_____	_____	_____
29 If an "Issue" is documented, is there an associated Action, "Action By" and "Date"	_____	_____	_____
30 Is the Patrol report signed off by the patroller	_____	_____	_____
31 Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	_____	_____	_____
32 Is the last "Patrol Date" within 15 months of the previous "Patrol Date" for each location	_____	_____	_____

SUMMARY	0	0	0
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RESOLVED ITEMS
 4 - denote in the crossing portion of the file is "no exposed piping". Should be "no crossings".

TOTAL	8	0	0
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District: Kettleman P/L
 Auditor: ██████████
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line: Coalinga Prison

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1	Are the standardized forms being used (Patrol Report, Highways & Railroads, Exposed Piping, Slide Areas)	1		
2	Are the records in the standardized files (primarily the integrity of the organization of the records)	1		
3	System map is in the file indicating the area	1		
4	The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols)	1		
5	When did the district convert to the new aerial program?	5/22/2001 (date)		

PATROLLING / LEAK SURVEY

6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1		
7	The sum of the patrol reports covers the entire pipeline that is to be patrolled/leak surveyed	1		
8	Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?)	1		
9	If flamepacking is performed, the instrument number is shown			
10	All items on list checked as "OK" or "Condition Found"			
11	If "Condition Found" is checked, is there an "Issue" documented			
12	If an "Issue" is documented, is there an associated Action, "Action By" and "Date"			
13	Is the Patrol report signed off by the patroller			
14	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol			
15	Is the last "Performed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date"	1		
16	If the patrolling report indicates that a leak was found and/or buried piping was uncovered, was a "leak survey, repair, and inspection" form F4110 filled out.			

SUMMARY

8	0	0
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RESOLVED ITEMS

1 - District is using F4111a in conjunction with the aerial patrol to document what came from the aerial patrol reports. However, no pipeline patrol form for this line was found in the aerial patrol binder, inconsistent with records for line 300. Need to include the pipeline patrol form with aerial patrol date and flight number on the pipeline patrol forms with in the aerial patrol binder. The pipeline patrol forms should also show the specific segment of pipeline addressed - "L300N" is not sufficiently precise.
 2 - Plan in the file needs to be updated to reflect the new aerial patrol based approach. Old plan for traditional approach is still on top. This will achieve consistency between what is done and what is planned.
 3 - The 4/01 leak survey form is on file. Good!

District: Kettleman P/L
 Auditor: ██████████
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line: Coalinga Prison

	note key	DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
HIGHWAYS & RAILROADS (F4111b)				
17	Top portion of the form is completely filled in.	1		
18	Is the range of MP to MP cover entire length?	1		
19	The roster of highways and railroads is the same as the previous year or explanations are documented	1		
20	The instrument ID is documented for each patrol at the bottom of the form			
21	If "Issue" is checked, there is an explanation on the back of the form			
22	If an "Issue" is documented, is there an associated "Action", "Action By" and "Date"			
23	Is the Patrol report signed off by the patroller	1		
24	Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	1		
25	Is the last "Patrol Date" within 4.5 or 7.5 months of the previous "Patrol Date" for each crossing	1		
SUMMARY		6	0	0

District: Kettleman P/L
 Auditor: [REDACTED]
 Date: 5/29/02

**PATROLLING / LEAK SURVEY
 RECORD AUDIT SHEET**

Line: Coalinga Prison

	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT
EXPOSED PIPING			
26 Top portion of the form is completely filled in? Is the range of MP to MP complete?	n/a		
27 The roster of exposed piping is the same as the previous year or explanations are documented	_____	_____	_____
28 If "Issue" is checked, there is an explanation on the back of the form	_____	_____	_____
29 If an "Issue" is documented, is there an associated Action, "Action By" and "Date"	_____	_____	_____
30 Is the Patrol report signed off by the patroller	_____	_____	_____
31 Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol	_____	_____	_____
32 Is the last "Patrol Date" within 15 months of the previous "Patrol Date" for each location	_____	_____	_____

SUMMARY	0	0	0
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RESOLVED ITEMS
 4 - The second Crossing patrol includes the note "records are in paradigm". First patrol was 1/01. This pipeline was not found in the full set of paradigm reports provided by [REDACTED]. The approach is generally correct since it is consistent with a conversion to the quarterly burial patrol process, but the reference should be to the quarterly aerial patrol, not to paradigm.

TOTAL	14	0	0
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District: KettlemanPL
 Auditor: [REDACTED]
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

Bakersfield Tap

note	DEFICIENCY TYPE		
key	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)
- 2 If yes, has the Emergency / Other box checked off appropriately?
- 3 Valve maint records are organized and readily accessible.

(Yes) / No

(Yes) / No

1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)

1 10 0

2 10 0

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months?
- 7 Are the first 6 fields completed
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?

10

10

SUMMARY

41	0	0
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RESOLVED ITEMS

- 1 - Look for and address blank information fields. At least try to get the manufacturer. Type, Mfg & Model is ideal.
- 2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.

District: KettlemanPL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

Buttonwillow Intertie

note	DEFICIENCY TYPE		
key	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)
- 2 If yes, has the Emergency / Other box checked off appropriately?
- 3 Valve maint records are organized and readily accessible.

(Yes) / No

(Yes) / No

1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)

2

1 2

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months?
- 7 Are the first 6 fields completed
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?

2

2

2

SUMMARY

9

0

0

RESOLVED ITEMS

1 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.

2 - Compliance documentation should be updated from PLM work sooner (some updates are over six months old) than now. Updates were underway during this audit. Set up a system that accomplishes this in a timely manner so that compliance documentation is up to date, and so that you take best advantage of work recently performed. District knew that the updates were needed, which is GOOD!

District: KettlemanPL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

Canfield

note	DEFICIENCY TYPE		
key	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district) (Yes) / No
- 2 If yes, has the Emergency / Other box checked off appropriately? (Yes) / No
- 3 Valve maint records are organized and readily accessible. 1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed 1 6
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info) 2 6

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months? 3 6
- 7 Are the first 6 fields completed _____
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off? _____

SUMMARY

19	0	0
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RESOLVED ITEMS

1 - Look for and address blank information fields. Add data, status note (e.g., "under investigation") or "n/a" as appropriate. "Type" is different from "make" - clarify data in this section as appropriate. At least get the manufacturer name.

2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.

3 - Compliance documentation should be updated from PLM work sooner (some updates are over six months old) than now. Updates were underway during this audit. Set up a system that accomplishes this in a timely manner so that compliance documentation is up to date, and so that you take best advantage of work recently performed. District knew that the updates were needed, which is GOOD!

District: KettlemanPL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

Estella River PLS

note	DEFICIENCY TYPE		
key	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district) 1
- 2 If yes, has the Emergency / Other box checked off appropriately?
- 3 Valve maint records are organized and readily accessible.

Yes/No
 Yes No

Yes/No
 Yes No

1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed A
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info) 2

8

8

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months?
- 7 Are the first 6 fields completed
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?

4

4

SUMMARY

25	0	0
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RESOLVED ITEMS

1 - Review - some are not emergency valves.
 2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.
 A - Look for and address blank information fields. Add data, status note (e.g., "under investigation") or "n/a" as appropriate. "Type" is different from "make" - clarify data in this section as appropriate. At least get the manufacturer name.

UNRESOLVED ITEMS

District: KettlemanPL
 Auditor: [REDACTED]
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

Helm Tap

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)	3, A	Yes <input type="radio"/> No <input checked="" type="radio"/>	
2 If yes, has the Emergency / Other box checked off appropriately?		Yes / No	
3 Valve maint records are organized and readily accessible.			1

VALVE DATA (From FF11.doc)

4 Are the MAKE/MODEL and TYPE fields completed	1	11	0
5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)	2,4,5	11	

SERVICE HISTORY

6 Is the maint frequency once per calendar year not to exceed 15 months?		11	
7 Are the first 6 fields completed		11	
8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?			

SUMMARY

45	0	0
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RESOLVED ITEMS

1 - Look for and address blank information fields. Add data, status note (e.g., "under investigation") or "n/a" as appropriate. "Type" is different from "make" - clarify data in this section as appropriate. Try to at least get the manufacturer. Check V-11 & 12 - are these B5s??

4 - "Monthly" specified for frequency, yet frequency is 3-6 months in practice. Resolve. V-15,16

5 - "Annual" is specified for frequency, yet 6 mo is practiced. Resolve. V-17,18.

A - V-16 should be CPUC, since it is in pressure control service. Currently filed as non-CPUC. 2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.

3 - All station valves are included in the records, yet many are not emergency valves. Have this reviewed to settle on the correct valves.

UNRESOLVED ITEMS

District: KettlemanPL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

Kern River Sta

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)	4	<input checked="" type="radio"/> Yes / No		
2 If yes, has the Emergency / Other box checked off appropriately?	4	Yes / No		
3 Valve maint records are organized and readily accessible.			1	

VALVE DATA (From FF11.doc)

4 Are the MAKE/MODEL and TYPE fields completed	1		6	
5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)	2		6	

SERVICE HISTORY

6 Is the maint frequency once per calendar year not to exceed 15 months?	3		6	
7 Are the first 6 fields completed	5		6	
8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?				

SUMMARY

25	0	0
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RESOLVED ITEMS

1 - Look for and address blank information fields. Add data, status note (e.g., "under investigation") or "n/a" as appropriate. "Type" is different from "make" - clarify data in this section as appropriate. Ideally include the Mfg and Model #. 2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.

3 - Compliance documentation should be updated from PLM work sooner (some updates are over six months old) than now. Updates were underway during this audit. Set up a system that accomplishes this in a timely manner so that compliance documentation is up to date, and so that you take best advantage of work recently performed. District knew that the updates were needed, which is GOOD!

4 - Non-emergency valves need to be identified and then the records need to be separated from the emergency valves. All valves were reviewed in this audit.

5 - "Not servicable" valve should be operated. Yet fields didn't indicate this was done. Gain access and maintain, or remove from emergency valve status. V-F, D, G, E

UNRESOLVED ITEMS

District: KettlemanPL
 Auditor: ██████████
 Date: 5/02

VALVE RECORD AUDIT SHEET

Monolith Tap

note	DEFICIENCY TYPE		
key	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)
- 2 If yes, has the Emergency / Other box checked off appropriately?
- 3 Valve maint records are organized and readily accessible.

Yes / No

3 Yes / No

4 1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)

1 8

2 8

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months?
- 7 Are the first 6 fields completed
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?

5 8

SUMMARY

25	0	0
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RESOLVED ITEMS

- 1 - Look for and address blank information fields. Add data, status note (e.g., "under investigation") or "n/a" as appropriate. "Type" is different from "make" - clarify data in this section as appropriate.
- 2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.
- 3 - Resolve and mark forms accordingly.
- 4 - Forms were available, but need to place in binder consistent with other records.
- 5 - No maint. shown. Add note addressing installation date, so that future maint schedule can be made and verified.

District: KettlemanPL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

Morro Bay
 Primary Set

note	DEFICIENCY TYPE		
key	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- | | | | |
|---|---|---|--|
| 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district) | 1 | Yes <input type="radio"/> No <input checked="" type="radio"/> | |
| 2 If yes, has the Emergency / Other box checked off appropriately? | | Yes / No | |
| 3 Valve maint records are organized and readily accessible. | 1 | | |

VALVE DATA (From FF11.doc)

- | | | | |
|---|---|----|--|
| 4 Are the MAKE/MODEL and TYPE fields completed | A | 13 | |
| 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info) | 2 | 13 | |

SERVICE HISTORY

- | | | | |
|---|--|----|--|
| 6 Is the maint frequency once per calendar year not to exceed 15 months? | | 13 | |
| 7 Are the first 6 fields completed | | 13 | |
| 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off? | | | |

SUMMARY

53	0	0
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RESOLVED ITEMS

1 - Need to review classifications. Some in the emer section are not emer valves, and can be moved to the non-CPUC section of the binder. Ideally include the model number.
 2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.
 3 - Regs 5 & 6 are stated as "monthly", yet practice ranges from one to six months. Establish a plan and adhere to it.

UNRESOLVED ITEMS

District: KettlemanPL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

Morro Bay
 Master Meter

note	DEFICIENCY TYPE		
key	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)	1	Yes / No		
2 If yes, has the Emergency / Other box checked off appropriately?		Yes / No		
3 Valve maint records are organized and readily accessible.			1	

VALVE DATA (From FF11.doc)

4 Are the MAKE/MODEL and TYPE fields completed	A	6		
5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)	2	6		

SERVICE HISTORY

6 Is the maint frequency once per calendar year not to exceed 15 months?	3	6		
7 Are the first 6 fields completed		6		
8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?				

SUMMARY

25	0	0	
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RESOLVED ITEMS

1 - Need to review classifications. Are these emer valves given the primary reg set and emer valves upstream?
 2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.
 A - No model shown. Ideally would have Mfg, Model and Type.

District: KettlemanPL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

Morro Bay Intertie

note	DEFICIENCY TYPE		
key	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)
- 2 If yes, has the Emergency / Other box checked off appropriately?
- 3 Valve maint records are organized and readily accessible.

(Yes) / No

(Yes) / No

1 _____

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)

1

2 _____

2 _____

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months?
- 7 Are the first 6 fields completed
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?

2 _____

2 _____

SUMMARY

9	0	0
---	---	---

RESOLVED ITEMS

1 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.

District: KettlemanPL
 Auditor: ██████████
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

Panoche Sta

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)	3	Yes <input type="radio"/> No <input checked="" type="radio"/>	
2 If yes, has the Emergency / Other box checked off appropriately?	3	Yes / No	
3 Valve maint records are organized and readily accessible.	1		

VALVE DATA (From FF11.doc)

4 Are the MAKE/MODEL and TYPE fields completed	1,4	24	
5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)	2	24	

SERVICE HISTORY

6 Is the maint frequency once per calendar year not to exceed 15 months?	8	24	
7 Are the first 6 fields completed	5,7	24	
8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?			

SUMMARY

97	0	0
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RESOLVED ITEMS

1 - Look for and address blank information fields. Add data, status note (e.g., "under investigation") or "n/a" as appropriate. "Type" is different from "make" - clarify data in this section as appropriate. Try to get Mfg and model.

2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight. (V-17, 18, 20, 40R, 41R)

3 - Non-emergency valves need to be identified and then the records need to be separated from the emergency valves.

4 - V-12 is shown as both TK and Grove - resolve one or the other manufacturer.

5 - "Date by" is whited out - Inadvisable for written records - merely cross out and add correct data on the next line, with an explanation for the change, so that records are not misinterpreted as someone hiding something. V-12, 16, 20, 22

6 - Move V-54 from "non-CPUC" to emergency valve section.

7 - Valves should be partially operated and this should be reflected on the maint record. V-A, B, C, D, E, F. PLM records confirmed that this was done.

8 - Find records for emergency valves 25 & 28, or 29. Were not in the emergency valve section. Confirmed that these ARE NOT emer valves, so OK.

UNRESOLVED ITEMS

District: KettlemanPL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

LRCV 237

note	DEFICIENCY TYPE		
key	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)
- 2 If yes, has the Emergency / Other box checked off appropriately?
- 3 Valve maint records are organized and readily accessible.

(Yes) / No

(Yes) / No

1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)

1

6

2

6

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months?
- 7 Are the first 6 fields completed
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?

6

6

SUMMARY

25

0

0

RESOLVED ITEMS

1 - Look for and address blank information fields. Add data, status note (e.g., "under investigation") or "n/a" as appropriate. "Type" is different from "make" - clarify data in this section as appropriate.
 2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.

District: KettlemanPL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

PLS 4

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)
- 2 If yes, has the Emergency / Other box checked off appropriately?
- 3 Valve maint records are organized and readily accessible.

(Yes) / No

(Yes) / No

1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)

14

2 14

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months?
- 7 Are the first 6 fields completed
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?

3 14

14

SUMMARY

57

0

0

RESOLVED ITEMS

2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight. 3 - Compliance documentation should be updated from PLM work sooner (some updates are over six months old) than now. Updates were underway during this audit. Set up a system that accomplishes this in a timely manner so that compliance documentation is up to date, and so that you take best advantage of work recently performed. District knew that the updates were needed, which is GOOD!

UNRESOLVED ITEMS

District: KettlemanPL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

PLS 5

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)
- 2 If yes, has the Emergency / Other box checked off appropriately?
- 3 Valve maint records are organized and readily accessible.

(Yes) / No

A (Yes) / No

1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)

1 11

2 11

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months?
- 7 Are the first 6 fields completed
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?

11

11

SUMMARY

45	0	0
----	---	---

RESOLVED ITEMS

1 - Look for and address blank information fields. Add data, status note (e.g., "under investigation") or "n/a" as appropriate. "Type" is different from "make" - clarify data in this section as appropriate.
 V-5, At least add Mfg
 299.00A, 298.99B correct the model number

2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.

A - Designate EMER or OTHER on V-10 (still blank).

District: KettlemanPL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

Line 2

note	DEFICIENCY TYPE		
key	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)
- 2 If yes, has the Emergency / Other box checked off appropriately?
- 3 Valve maint records are organized and readily accessible.

(Yes) / No

(Yes) / No

1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)

A

11

1

11

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months?
- 7 Are the first 6 fields completed
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?

11

11

SUMMARY

45	0	0
----	---	---

RESOLVED ITEMS

- 1 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.
- 2 - Good!! Note showing install date for new valves which would otherwise have no documented history.
- A - Ideally would include model number

District: KettlemanPL
 Auditor: ██████████
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

Line 190

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)
- 2 If yes, has the Emergency / Other box checked off appropriately?
- 3 Valve maint records are organized and readily accessible.

Yes / No
 1 Yes / No

 1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)

A 6

 2 6

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months?
- 7 Are the first 6 fields completed
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?

3,4 6

 6

SUMMARY

25	0	0
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RESOLVED ITEMS

1 - Records are not consistent. A few need marks signifying "emergency".
 2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.
 3 - "Not servicable" V-10 should be operated. Lube frequency is shown as "annual". Gain access and maintain, or remove from emergency valve status. Confirmed that this is not an emer valve.
 4 - Compliance documentation should be updated from PLM work sooner (some updates are over six months old) than now. Updates were underway during this audit. Set up a system that accomplishes this in a timely manner so that compliance documentation is up to date, and so that you take best advantage of work recently performed. District knew that the updates were needed, which is GOOD!

UNRESOLVED ITEMS

District: KettlemanPL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

L 300A
 V-230 - PLS4

note key	DEFICIENCY TYPE		
OK	MINOR	SIGNIFICANT	

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)
- 2 If yes, has the Emergency / Other box checked off appropriately?
- 3 Valve maint records are organized and readily accessible.

(Yes) / No

(Yes) / No

1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)

1 8

2 8

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months?
- 7 Are the first 6 fields completed
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?

3 8 0

8

SUMMARY

33	0	0
----	---	---

RESOLVED ITEMS

1 - Look for and address blank information fields. Add data, status note (e.g., "under investigation") or "n/a" as appropriate. "Type" is different from "make" - clarify data in this section as appropriate. At least get the Mfg name.

2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.

3 - Compliance documentation should be updated from PLM work sooner (some updates are over six months old) than now. Updates were underway during this audit. Set up a system that accomplishes this in a timely manner so that compliance documentation is up to date, and so that you take best advantage of work recently performed. District knew that the updates were needed, which is GOOD!

UNRESOLVED ITEMS

District: KettlemanPL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

L 300A
 PLS4 - 309.64

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district) (Yes) / No
- 2 If yes, has the Emergency / Other box checked off appropriately? (Yes) / No
- 3 Valve maint records are organized and readily accessible. 1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed 1 23
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info) 2 23

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months? 3 23
- 7 Are the first 6 fields completed 23
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off? _____

SUMMARY

93	0	0
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RESOLVED ITEMS

1 - Look for and address blank information fields. Add data, status note (e.g., "under investigation") or "n/a" as appropriate. "Type" is different from "make" - clarify data in this section as appropriate. At least get the Mfg name.

2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.

3 - Compliance documentation should be updated from PLM work sooner (some updates are over six months old) than now. Updates were underway during this audit. Set up a system that accomplishes this in a timely manner so that compliance documentation is up to date, and so that you take best advantage of work recently performed. District knew that the updates were needed, which is GOOD!

UNRESOLVED ITEMS

District: KettlemanPL
 Auditor: [REDACTED]
 Date: 5/28/02

**VALVE
 RECORD AUDIT SHEET**

L 300A
 309.64-KCS

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district) (Yes) / No
- 2 If yes, has the Emergency / Other box checked off appropriately? (Yes) / No
- 3 Valve maint records are organized and readily accessible. 1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed 1 21
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info) 2 2 <19 not scored>

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months? 3, A 21
- 7 Are the first 6 fields completed 21
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off? _____

SUMMARY

66	0	0
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RESOLVED ITEMS

1 - Look for and address blank information fields. Add data, status note (e.g., "under investigation") or "n/a" as appropriate. "Type" is different from "make" - clarify data in this section as appropriate.
 2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.
 3 - Check on PLM for the one missing maint entry. Revise scoring to "minor" if found.
 A - T 323.36 shows as not operated, yet is classified as emergency. Record now contains notes explaining that this is a conscious decision. OK.

UNRESOLVED ITEMS

District: KettlemanPL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

L 300A
 KCS-405.2

note	DEFICIENCY TYPE		
key	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)
- 2 If yes, has the Emergency / Other box checked off appropriately?
- 3 Valve maint records are organized and readily accessible.

(Yes) / No

(Yes) / No

1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)

17

1 17

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months?
- 7 Are the first 6 fields completed
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?

17

17

SUMMARY

69	0	0
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RESOLVED ITEMS

1 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.

District: KettlemanPL
 Auditor: ██████████
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

L 300B
230.26-PLS4

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)
- 2 If yes, has the Emergency / Other box checked off appropriately?
- 3 Valve maint records are organized and readily accessible.

(Yes) / No

(Yes) / No

1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)

1 13

2 13

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months?
- 7 Are the first 6 fields completed
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?

3, A 13

13

SUMMARY

53	0	0
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RESOLVED ITEMS

1 - Look for and address blank information fields. Add data, status note (e.g., "under investigation") or "n/a" as appropriate. "Type" is different from "make" - clarify data in this section as appropriate. At least get the Mfg name.

2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.

3 - Compliance documentation should be updated from PLM work sooner (some updates are over six months old) than now. Updates were underway during this audit. Set up a system that accomplishes this in a timely manner so that compliance documentation is up to date, and so that you take best advantage of work recently performed. District knew that the updates were needed, which is GOOD!

4 - Tap 242.75A - need installation month in 2000 to make the maint. history complete, and set the next maintenance schedule.

A - V-1 @ 231.27B & V-15 @ Monolith are not serviced. Resolve emer or other.

UNRESOLVED ITEMS

District: KettlemanPL
 Auditor: ██████████
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

L 300B
 PLS4 - 309.64

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district) (Yes/No)
- 2 If yes, has the Emergency / Other box checked off appropriately? (Yes/No)
- 3 Valve maint records are organized and readily accessible. 1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed 1 32
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info) 2 32

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months? 3, A 32
- 7 Are the first 6 fields completed 32
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off? _____

SUMMARY

129	0	0
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RESOLVED ITEMS

1 - Look for and address blank information fields. Add data, status note (e.g., "under investigation") or "n/a" as appropriate. "Type" is different from "make" - clarify data in this section as appropriate.

2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.

3 - Compliance documentation should be updated from PLM work sooner (some updates are over six months old) than now. Updates were underway during this audit. Set up a system that accomplishes this in a timely manner so that compliance documentation is up to date, and so that you take best advantage of work recently performed. District knew that the updates were needed, which is GOOD!

A - Some 2001 dates should be 2002. Correct these.

UNRESOLVED ITEMS

District: KettlemanPL
 Auditor: ██████████
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

L 300B
 309.2-KCS

note	DEFICIENCY TYPE		
key	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)
- 2 If yes, has the Emergency / Other box checked off appropriately?
- 3 Valve maint records are organized and readily accessible.

(Yes) / No

(Yes) / No

1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)

20

1 20

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months?
- 7 Are the first 6 fields completed
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?

20

20

SUMMARY

81

0

0

RESOLVED ITEMS

1 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.

District: KettlemanPL
 Auditor: ██████████
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

L 300B
KCS-405.48

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)
- 2 If yes, has the Emergency / Other box checked off appropriately?
- 3 Valve maint records are organized and readily accessible.

3 Yes / No

Yes / No

1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)

22

1 <22 not scored>

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months?
- 7 Are the first 6 fields completed
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?

3, A

22

0

22

SUMMARY

67	0	0
----	---	---

RESOLVED ITEMS

1 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.

2 - Good clear note that V-DO is buried and not servicable. GOOD.

3 - V-DO cannot be used as an emergency valve. Either gain access or confirm that it does not fit the emergency valve definition, and move to separate section in the binder/records for non-CPUC valves. OK - removed from svc 3/01, and records updated.

A - Valves shown as emer but not operated: T362.09B, V-21 @ Huron, V-C @ 363.89B, T367.62B, V-1 @ 368.79B, V-3 @ 372B, V-21 @ 385.40B. Records not contain notes that explain this is a conscious decision. OK.

UNRESOLVED ITEMS

District: KettlemanPL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

Station Valves Binder
 LRCV 328 373
 Kettleman Intertie

note	DEFICIENCY TYPE		
key	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district) (Yes) / No
- 2 If yes, has the Emergency / Other box checked off appropriately? (Yes) / No
- 3 Valve maint records are organized and readily accessible. 1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed 1 23
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info) 2 23

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months? 21
- 7 Are the first 6 fields completed 3 21
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off? _____

SUMMARY

89	0	0
----	---	---

RESOLVED ITEMS

1 - Look for and address blank information fields. Add data, status note (e.g., "under investigation") or "n/a" as appropriate. "Type" is different from "make" - clarify data in this section as appropriate. At least try to get the Mfg name.

2 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight.

3 - Man-hours not consistently supplied (not scored). LRCV 328, Spreckels

District: KettlemanPL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

VALVE RECORD AUDIT SHEET

Line 306

note	DEFICIENCY TYPE		
key	OK	MINOR	SIGNIFICANT

VALVE INVENTORY

- 1 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)
- 2 If yes, has the Emergency / Other box checked off appropriately?
- 3 Valve maint records are organized and readily accessible.

(Yes) / No

(Yes) / No

1

VALVE DATA (From FF11.doc)

- 4 Are the MAKE/MODEL and TYPE fields completed
- 5 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)

16

1

16

SERVICE HISTORY

- 6 Is the maint frequency once per calendar year not to exceed 15 months?
- 7 Are the first 6 fields completed
- 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?

16

16

SUMMARY

65	0	0
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RESOLVED ITEMS

1 - Less significant blank fields (e.g., serial number), but should get "unknown" or some other remark to show that the blank was not merely an oversight. Ideally would like the model number too...not scored.

District: Kettleman PL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

**REG (or PL) STATIONS - Station File
 RECORD AUDIT SHEET**

PLS 4 A/B

ADMINISTRATIVE INFORMATION

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

- 1 Evidence of the equipment that is in operation is available in the file (station data available? O&MI?).
 Included in inventory / equipment-specific info is found to support maintenance.
- 2 All major categories on form addressed

1 _____ <not scored>

QUALITY OF MAINTENANCE

GENERAL ITEMS (Sta Maint Forms)

- 3 Is the correct version of the CGT Station Maintenance Report or Regulator Maintenance Form (RMF) being used?
- 4 Maintenance activities are initialed and dated
- 5 Maintenance activities are performed on schedule
- 6 Form was reviewed and initialed by management
- 7 Vault Inspections have been completed and signed off on schedule
- 8 O&MI log has been reviewed and signed off on schedule. (for facilities with O&MIs)
- 9 Operating Diag on file w/current MAOP/MOP
- 10 PCV setpoints and control points are consistent with OpDiag MAOP/MOP

_____ 1
 _____ 7
 _____ 7

 2 _____ 1
 _____ 1
 _____ 1
 _____ 11

SUMMARY

29	0	0
----	---	---

RELIEF VALVES

- 11 Is the most recent version of the relief valve maintenance form being used
- 12 Is the information on the top of the form complete?
- 13 Is the Package Relief form used when appropriate (FH70)
- 14 Equipment number on the maintenance form and RV Calculations match
- 15 Is there a relief valve list? Should note all reliefs, & whether they are package reliefs.
- 16 Relief valve calculations are available (excl. pkg reliefs)
- 17 Relief valve calculations have been verified and signed off on schedule.
- 18 Is form filled in properly (relies correctly on previous year data)?
- 19 All relief maintenance performed on scheduled
- 20 Actual relief set-points are in agreement with calculations (Can not be higher!)

5 _____ 1

 7 _____ 6

 YES (NO)
 A _____ 6

 4 _____

 _____ 6
 6 _____ 6

SUMMARY

25	0	0
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Note: Also complete a valve record audit for this station

RESOLVED ITEMS
 2 - last done 5/16/00
 3 - last done 5/15/00
 4 - due 12/1/01
 5 - use Relief Valve Record (form) from now on.
 6 - Setpoints don't agree (see pg 2 for this sta)
 7 - Valve numbers are not consistent (see pg 2 for this sta)
 8 - It is recommended that a separate annual calculation review form be in place for each PSV.

UNRESOLVED ITEMS
 1 - Note explains that station data is found on equipment cards currently being completed. No date is given for the note, or expected completion - add this info to the notes.

District: Kettleman PL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

**REG (or PL) STATIONS - Station File
 RECORD AUDIT SHEET**

PLS 5A/B

ADMINISTRATIVE INFORMATION

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

- 1 Evidence of the equipment that is in operation is available in the file (station data available? O&MI?). Included in inventory / equipment-specific info is found to support maintenance. 1 <not scored>
- 2 All major categories on form addressed

QUALITY OF MAINTENANCE

GENERAL ITEMS (Sta Maint Forms)

- 3 Is the correct version of the CGT Station Maintenance Report or Regulator Maintenance Form (RMF) being used? 1
- 4 Maintenance activities are initialed and dated 10
- 5 Maintenance activities are performed on schedule 10
- 6 Form was reviewed and initialed by management 3 <2 not scored>
- 7 Vault Inspections have been completed and signed off on schedule 4 1
- 8 O&MI log has been reviewed and signed off on schedule. (for facilities with O&MIs) 4
- 9 Operating Diag on file w/current MAOP/MOP 1
- 10 PCV setpoints and control points are consistent with OpDiag MAOP/MOP 6

SUMMARY

29	0	0
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RELIEF VALVES

- 11 Is the most recent version of the relief valve maintenance form being used
- 12 Is the information on the top of the form complete?
- 13 Is the Package Relief form used when appropriate (FH70)
- 14 Equipment number on the maintenance form and RV Calculations match 2 4
- 15 Is there a relief valve list? Should note all reliefs, & whether they are package reliefs. YES (NO)
- 16 Relief valve calculations are available (excl. pkg) 4
- 17 Relief valve calculations have been verified and signed off on schedule. 5
- 18 Is form filled in properly (relies correctly on previous year data)? 6
- 19 All relief maintenance performed on scheduled 7 4
- 20 Actual relief set-points are in agreement with calculations (Can not be higher!) 8 4

SUMMARY

16	0	0
----	---	---

Note: Also complete a valve record audit for this station

RESOLVED ITEMS
 2 - name mismatch/inconsistency. Resolve.
 3 - signoff is due
 4 - review is due
 5 - due 12/01
 6 - Need annual review form for each PSV.
 7 - Missing maint records on 4 valves although 8 are in file? Subsequently learned that 4 are out of service. Mark the records to clearly show which four are now out of service.
 8 - Setpoints are high for four PSVs in service. Resolve.

UNRESOLVED ITEMS
 1 - Note explains that station data is found on equipment cards currently being completed. No date is given for the note, or expected completion - add this info to the notes.

District: Kettleman PL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

**REG (or PL) STATIONS - Station File
 RECORD AUDIT SHEET**

Bakersfield Tap

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT
ADMINISTRATIVE INFORMATION			
1			
Evidence of the equipment that is in operation is available in the file (station data available? O&MI?). Included in inventory / equipment-specific info is found to support maintenance.			
2			
All major categories on form addressed			
QUALITY OF MAINTENANCE			
<u>GENERAL ITEMS (Sta Maint Forms)</u>			
3			
Is the correct version of the CGT Station Maintenance Report or Regulator Maintenance Form (RMF) being used?			
4			
Maintenance activities are initialed and dated			
5			
Maintenance activities are performed on schedule			
6			
Form was reviewed and initialed by management			
7			
Vault Inspections have been completed and signed off on schedule			
8			
O&MI log has been reviewed and signed off on schedule. (for facilities with O&MIs)			
9			
Operating Diag on file w/current MAOP/MOP			
10			
PCV setpoints and control points are consistent with OpDiag MAOP/MOP			
SUMMARY			
	5	0	0

<u>RELIEF VALVES</u>			
11			
Is the most recent version of the relief valve maintenance form being used			
12			
Is the information on the top of the form complete?			
13			
Is the Package Relief form used when appropriate (FH70)			
14			
Equipment number on the maintenance form and RV Calculations match			
15			
Is there a relief valve list? Should note all reliefs, & whether they are package reliefs.			
16			
Relief valve calculations are available (excl. pkg reliefs)			
17			
Relief valve calculations have been verified and signed off on schedule.			
18			
Is form filled in properly (relies correctly on previous year data)?			
19			
All relief maintenance performed on scheduled			
20			
Actual relief set-points are in agreement with calculations (Can not be higher!)			
SUMMARY			
	0	0	0

Note: Also complete a valve record audit for this station

<p>RESOLVED ITEMS 2 - Add MAOPs to Op Diag, and/or get the current OpDiag into the file.</p>
--

<p>UNRESOLVED ITEMS 1 - Note explains that station data is found on equipment cards currently being completed. No date is given for the note, or expected completion - add this info to the notes.</p>
--

District: Kettleman PL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

**REG (or PL) STATIONS - Station File
 RECORD AUDIT SHEET**

Buttonwillow Intertie

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT
ADMINISTRATIVE INFORMATION			
1	Evidence of the equipment that is in operation is available in the file (station data available? O&MI?). Included in inventory / equipment-specific info is found to support maintenance.		
1		<not scored>	
2	All major categories on form addressed		
QUALITY OF MAINTENANCE			
<u>GENERAL ITEMS (Sta Maint Forms)</u>			
3	Is the correct version of the CGT Station Maintenance Report or Regulator Maintenance Form (RMF) being used?		
	1		
4	Maintenance activities are initialed and dated		
	1		
5	Maintenance activities are performed on schedule		
	1		
6	Form was reviewed and initialed by management		
	n/a		
7	Vault Inspections have been completed and signed off on schedule		
8	O&MI log has been reviewed and signed off on schedule. (for facilities with O&MIs)		
	2		
9	Operating Diag on file w/current MAOP/MOP		
	1		
10	PCV setpoints and control points are consistent with OpDiag MAOP/MOP		
SUMMARY			
	5	0	0

<u>RELIEF VALVES</u>			
11	Is the most recent version of the relief valve maintenance form being used		
	5		
12	Is the information on the top of the form complete?		
	2		
13	Is the Package Relief form used when appropriate (FH70)		
14	Equipment number on the maintenance form and RV Calculations match		
15	Is there a relief valve list? Should note all reliefs, & whether they are package reliefs.		
	YES	(NO)	
16	Relief valve calculations are available (excl. pkg reliefs)		
	6		
17	Relief valve calculations have been verified and signed off on schedule.		
18	Is form filled in properly (relies correctly on previous year data)?		
19	All relief maintenance performed on schedule		
	3		
20	Actual relief set-points are in agreement with calculations (Can not be higher!)		
	A		
	2		
SUMMARY			
	6	0	0

Note: Also complete a valve record audit for this station

FOOTNOTES
RESOLVED ITEMS
2 - No review since 7/19/00
3 - No PRV maint logs for gas supply rack relief valves since 7/2000: 3A, 4A, 7A, 8A: CORRECT, since these valves are no longer there. - Mark all records accordingly, so that this is clear.
4 - No PCV maint logs for gas supply rack PCVs since 7/2000: PCV 1A, 2A, 5A, 6A: If these are no longer, in service, "significant" scoring should drop off...and mark all records accordingly, so that this is clear.
5 - Relief Valve Record should be added to file for each PRV.
6 - Remove calcs that are no longer applicable.
A - PSV-1 set at 95, calc shows 80. Reset to 80 and update the maint records.
UNRESOLVED ITEMS
1 - Note explains that station data is found on equipment cards currently being completed. No date is given for the note, or expected completion - add this info to the notes.

District: Kettleman PL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

**REG (or PL) STATIONS - Station File
 RECORD AUDIT SHEET**

Estrella River PLS

ADMINISTRATIVE INFORMATION

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

- 1 Evidence of the equipment that is in operation is available in the file (station data available? O&MI?). Included in inventory / equipment-specific info is found to support maintenance.
- 2 All major categories on form addressed

1 <not scored>

QUALITY OF MAINTENANCE

GENERAL ITEMS (Sta Maint Forms)

- 3 Is the correct version of the CGT Station Maintenance Report or Regulator Maintenance Form (RMF) being used?
- 4 Maintenance activities are initialed and dated
- 5 Maintenance activities are performed on schedule
- 6 Form was reviewed and initialed by management
- 7 Vault Inspections have been completed and signed off on schedule
- 8 O&MI log has been reviewed and signed off on schedule. (for facilities with O&MIs)
- 9 Operating Diag on file w/current MAOP/MOP
- 10 PCV setpoints and control points are consistent with OpDiag MAOP/MOP

1 1
 12
 12
 1

 2 1
 1

SUMMARY

28	0	0
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RELIEF VALVES

- 11 Is the most recent version of the relief valve maintenance form being used
- 12 Is the information on the top of the form complete?
- 13 Is the Package Relief form used when appropriate (FH70)
- 14 Equipment number on the maintenance form and RV Calculations match
- 15 Is there a relief valve list? Should note all reliefs, & whether they are package reliefs.
- 16 Relief valve calculations are available (excl. pkg)
- 17 Relief valve calculations have been verified and signed off on schedule.
- 18 Is form filled in properly (relies correctly on previous year data)?
- 19 All relief maintenance performed on scheduled
- 20 Actual relief set-points are in agreement with calculations (Can not be higher!)

3

 A <2 not scored>

 YES (NO)

 4

SUMMARY

4	0	0
---	---	---

Note: Also complete a valve record audit for this

FOOTNOTES

RESOLVED ITEMS
 3 - Start using Package Relief Valve Record

UNRESOLVED ITEMS
 1 - Note explains that station data is found on equipment cards currently being completed. No date is given for the note, or expected completion - add this info to the notes.
 2 - Add MAOPs to Op Diag, and/or get the current OpDiag into the file.
 A - PSV 1 & 2 are misnamed in either the 8/01 maint records or the new Relief Valve Records in the binder. Resolve.

District: Kettleman PL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

**REG (or PL) STATIONS - Station File
 RECORD AUDIT SHEET**

Helm Tap

ADMINISTRATIVE INFORMATION	note key	DEFICIENCY TYPE		
		OK	MINOR	SIGNIFICANT
1 Evidence of the equipment that is in operation is available in the file (station data available? O&M?). Included in inventory / equipment-specific info is found to support maintenance.	1	<not scored>		
2 All major categories on form addressed				
QUALITY OF MAINTENANCE				
<i>GENERAL ITEMS (Sta Maint Forms)</i>				
3 Is the correct version of the CGT Station Maintenance Report or Regulator Maintenance Form (RMF) being used?		1		
4 Maintenance activities are initialed and dated		12		
5 Maintenance activities are performed on schedule		12		
6 Form was reviewed and initialed by management		1		
7 Vault Inspections have been completed and signed off on schedule				
8 O&M log has been reviewed and signed off on schedule. (for facilities with O&Ms)		1		
9 Operating Diag on file w/current MAOP/MOP		1		
10 PCV setpoints and control points are consistent with OpDiag MAOP/MOP		4		
SUMMARY		32	0	0

<i>RELIEF VALVES</i>				
11 Is the most recent version of the relief valve maintenance form being used	2, A	4		
12 Is the information on the top of the form complete?				
13 Is the Package Relief form used when appropriate (FH70)				
14 Equipment number on the maintenance form and RV Calculations match	6	4		
15 Is there a relief valve list? Should note all reliefs, & whether they are package reliefs.		YES (NO)		
16 Relief valve calculations are available (excl. pkg)		1		
17 Relief valve calculations have been verified and signed off on schedule.	3	1		
18 Is form filled in properly (relies correctly on previous year data)?	4			
19 All relief maintenance performed on scheduled	7	6		
20 Actual relief set-points are in agreement with calculations (Can not be higher!)		1		
SUMMARY		17	0	0

Note: Also complete a valve record audit for this

FOOTNOTES

RESOLVED ITEMS
 2 - Begin using the Relief Valve Record form.
 3 - Signoff needed for PRV 3A
 4 - PRV 3A: Q2 should be "no", Q3 should be "yes", new calcs should be in place showing reg capacities with new orifice (if changed). Otherwise, Q2 & Q4 should be "no". Set up six calc review sheets for the six PRVs. Currently only have one.
 6 - PRVs on maint forms are Helm Tap PRV-1, 2, 3, 4 while on calcs are 3A, 6A, 3B, 6B, 3C, 4C. Naming needs to be consistent. LRCV has PRV-1 & 2 as well. There are in fact 6 PRVs, so the naming needs to be resolved more clearly, but the calcs and maint records are OK.
 7 - Maint initially thought to be missing for two PRVs, but it is actually in place...the naming causes the confusion. Resolve the naming.

UNRESOLVED ITEMS
 1 - Note explains that station data is found on equipment cards currently being completed. No date is given for the note, or expected completion - add this info to the notes.
 A - Need two more Relief Valve Record forms in the new binder.

District: Kettleman PL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

**REG (or PL) STATIONS - Station File
 RECORD AUDIT SHEET**

Kern River Station

ADMINISTRATIVE INFORMATION

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

- 1 Evidence of the equipment that is in operation is available in the file (station data available? O&MI?). Included in inventory / equipment-specific info is found to support maintenance.
- 2 All major categories on form addressed

1 <not scored>

QUALITY OF MAINTENANCE

GENERAL ITEMS (Sta Maint Forms)

- 3 Is the correct version of the CGT Station Maintenance Report or Regulator Maintenance Form (RMF) being used?
- 4 Maintenance activities are initialed and dated
- 5 Maintenance activities are performed on schedule
- 6 Form was reviewed and initialed by management
- 7 Vault Inspections have been completed and signed off on schedule
- 8 O&MI log has been reviewed and signed off on schedule. (for facilities with O&MIs)
- 9 Operating Diag on file w/current MAOP/MOP
- 10 PCV setpoints and control points are consistent with OpDiag MAOP/MOP

1 1

1 1

1 1

n/a n/a

3 1

4 1

SUMMARY

5	0	0
---	---	---

RELIEF VALVES

- 11 Is the most recent version of the relief valve maintenance form being used
- 12 Is the information on the top of the form complete?
- 13 Is the Package Relief form used when appropriate (FH70)
- 14 Equipment number on the maintenance form and RV Calculations match
- 15 Is there a relief valve list? Should note all reliefs, & whether they are package reliefs.
- 16 Relief valve calculations are available (excl. pkg)
- 17 Relief valve calculations have been verified and signed off on schedule.
- 18 Is form filled in properly (relies correctly on previous year data)?
- 19 All relief maintenance performed on scheduled
- 20 Actual relief set-points are in agreement with calculations (Can not be higher!)

2 1

YES (NO)

1 1

1 1

2, A <1 not scored>

2

SUMMARY

3	0	0
---	---	---

Note: Also complete a valve record audit for this

RESOLVED ITEMS
 3 - No review since 5/18/00.
 4 - Add MAOP to OpDiag, or add updated copy to file.
 2 - Form not found for relief 3A. Should have been put in place. Cals were reviewed 12/1/00. When would maint normally be done? Check PLM and set up new Relief Valve Record.

UNRESOLVED ITEMS
 1 - Note explains that station data is found on equipment cards currently being completed. No date is given for the note, or expected completion - add this info to the notes.
 A - Add start-up set point and date entries on the Relief Valve Record in the binder.

District: Kettleman PL
 Auditor: [REDACTED]
 Date: 5/28/02

**REG (or PL) STATIONS - Station File
 RECORD AUDIT SHEET**

Morro Bay Primary

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT
ADMINISTRATIVE INFORMATION			
1			
Evidence of the equipment that is in operation is available in the file (station data available? O&MI?). Included in inventory / equipment-specific info is found to support maintenance.			
2			
All major categories on form addressed			
QUALITY OF MAINTENANCE			
<i>GENERAL ITEMS (Sta Maint Forms)</i>			
3			
Is the correct version of the CGT Station Maintenance Report or Regulator Maintenance Form (RMF) being used?			
4			
Maintenance activities are initialed and dated			
5			
Maintenance activities are performed on schedule			
6			
Form was reviewed and initialed by management			
7			
Vault Inspections have been completed and signed off on schedule			
8			
O&MI log has been reviewed and signed off on schedule. (for facilities with O&MIs)			
9			
Operating Diag on file w/current MAOP/MOP			
10			
PCV setpoints and control points are consistent with OpDiag MAOP/MOP			
SUMMARY			
	62	0	0

<i>RELIEF VALVES</i>			
11			
Is the most recent version of the relief valve maintenance form being used			
12			
Is the information on the top of the form complete?			
13			
Is the Package Relief form used when appropriate (FH70)			
14			
Equipment number on the maintenance form and RV Calculations match			
15			
Is there a relief valve list? Should note all reliefs, & whether they are package reliefs.			
16			
Relief valve calculations are available (excl. pkg)			
17			
Relief valve calculations have been verified and signed off on schedule.			
18			
Is form filled in properly (relies correctly on previous year data)?			
19			
All relief maintenance performed on scheduled			
20			
Actual relief set-points are in agreement with calculations (Can not be higher!)			
SUMMARY			
	51	0	0

Note: Also complete a valve record audit for this

RESOLVED ITEMS
 2 - Use Relief Valve Record (form) from now on.
 3 - still need the district superintendent sign off for 2001
 4 - it is recommended that valve numbers be added to the calculation review sheets.
 5 - Valve numbers are not consistent (see pg 2 for this sta)
 6 - calculations are in file for 12 relief valves, yet maintenance records only exist for 10.(see pg 2 for this sta) Subsequently explained that the station only has 10 relief valves, so this is OK.
 7 - Valves 1B, 2B, 3B, 4B have calculations that recommend replacement of the orifice in the associated regulators so that relief valve capacity will be sufficient. No notes are in file that indicate whether this has yet been done.

UNRESOLVED ITEMS
 1 - Note explains that station data is found on equipment cards currently being completed. No date is given for the note, or expected completion - add this info to the notes.
 A - PRV 1-1,2,3,4 all are set at 115, yet calc shows 110. [REDACTED] to resolve whether calcs or maint needs to change, and revise the records accordingly.

District: Kettleman PL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

**REG (or PL) STATIONS - Station File
 RECORD AUDIT SHEET**

Morro Bay Intertie

ADMINISTRATIVE INFORMATION

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

- Evidence of the equipment that is in operation is available in the file (station data available? O&MI?). Included in inventory / equipment-specific info is found to support maintenance.
- All major categories on form addressed

1 <not scored>

QUALITY OF MAINTENANCE

GENERAL ITEMS (Sta Maint Forms)

- Is the correct version of the CGT Station Maintenance Report or Regulator Maintenance Form (RMF) being used?
- Maintenance activities are initialed and dated
- Maintenance activities are performed on schedule
- Form was reviewed and initialed by management
- Vault Inspections have been completed and signed off on schedule
- O&MI log has been reviewed and signed off on schedule. (for facilities with O&MIs)
- Operating Diag on file w/current MAOP/MOP
- PCV setpoints and control points are consistent with OpDiag MAOP/MOP

1 1

5 5

1 1

2 1

SUMMARY

8	0	0
---	---	---

RELIEF VALVES

- Is the most recent version of the relief valve maintenance form being used
- Is the information on the top of the form complete?
- Is the Package Relief form used when appropriate (FH70)
- Equipment number on the maintenance form and RV Calculations match
- Is there a relief valve list? Should note all reliefs, & whether they are package reliefs.
- Relief valve calculations are available (excl. pkg reliefs)
- Relief valve calculations have been verified and signed off on schedule.
- Is form filled in properly (relies correctly on previous year data)?
- All relief maintenance performed on scheduled
- Actual relief set-points are in agreement with calculations (Can not be higher!)

YES (NO)

4 4

1 1

3 4

4 4

SUMMARY

13	0	0
----	---	---

Note: Also complete a valve record audit for this station

RESOLVED ITEMS
 3 - Q4 should be "no".
 4 - relief valves still in service without adequate capacity (all of them?)

UNRESOLVED ITEMS
 1 - Note explains that station data is found on equipment cards currently being completed. No date is given for the note, or expected completion - add this info to the notes.
 2 - Add the downstream MAOP to the OpDiag (300#)

District: Kettleman PL
 Auditor: [REDACTED]
 Date: 5/28/02

**REG (or PL) STATIONS - Station File
 RECORD AUDIT SHEET**

Panoche Station

ADMINISTRATIVE INFORMATION

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

- Evidence of the equipment that is in operation is available in the file (station data available? O&MI?). Included in inventory / equipment-specific info is found to support maintenance.
- All major categories on form addressed

1 <not scored>

QUALITY OF MAINTENANCE

GENERAL ITEMS (Sta Maint Forms)

- Is the correct version of the CGT Station Maintenance Report or Regulator Maintenance Form (RMF) being used?
- Maintenance activities are initialed and dated
- Maintenance activities are performed on schedule
- Form was reviewed and initialed by management
- Vault Inspections have been completed and signed off on schedule
- O&MI log has been reviewed and signed off on schedule. (for facilities with O&MIs)
- Operating Diag on file w/current MAOP/MOP
- PCV setpoints and control points are consistent with OpDiag MAOP/MOP

1 1

30

30

4

3

1

3 1

SUMMARY

67	0	0
----	---	---

RELIEF VALVES

- Is the most recent version of the relief valve maintenance form being used?
- Is the information on the top of the form complete?
- Is the Package Relief form used when appropriate (FH70)
- Equipment number on the maintenance form and RV Calculations match
- Is there a relief valve list? Should note all reliefs, & whether they are package reliefs.
- Relief valve calculations are available (excl. pkg)
- Relief valve calculations have been verified and signed off on schedule.
- Is form filled in properly (relies correctly on previous year data)?
- All relief maintenance performed on scheduled
- Actual relief set-points are in agreement with calculations (Can not be higher!)

4

6

6

6

5

5

11

6, A <2 not scored>

SUMMARY

22	0	0
----	---	---

Note: Also complete a valve record audit for this station

RESOLVED ITEMS
 2 - Yellow Post-it with info on tube calibration and plate inspection - improper maint record. Transfer to hardcopy form.
 4 - Use Relief Valve Record
 5 - Set up separate calc review form for each relief
 6 - 19 reliefs in maint log (confusing based on rack labeling), but in actuality, only 11 are in log, and 11 in calcs. Therefore, this is OK. Set point problems: PSV103 calc 20#, maint 25#. PSV204 calc 20#, maint 25#

UNRESOLVED ITEMS
 1 - Note explains that station data is found on equipment cards currently being completed. No date is given for the note, or expected completion - add this info to the notes.
 3 - Add MAOPs. Confirm PCV setpoints.
 A - PSV 301 set at 500 yet calc is 425. PSV 302 set at 120 yet calc is 25. [REDACTED] to resolve.

District: Kettleman PL
 Auditor: XXXXXXXXXX
 Date: 5/28/02

**REG (or PL) STATIONS - Station File
 RECORD AUDIT SHEET**

Spreckels

ADMINISTRATIVE INFORMATION

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

- 1 Evidence of the equipment that is in operation is available in the file (station data available? O&MI?). Included in inventory / equipment-specific info is found to support maintenance.
- 2 All major categories on form addressed

1 <not scored>

QUALITY OF MAINTENANCE

GENERAL ITEMS (Sta Maint Forms)

- 3 Is the correct version of the CGT Station Maintenance Report or Regulator Maintenance Form (RMF) being used?
- 4 Maintenance activities are initialed and dated
- 5 Maintenance activities are performed on schedule
- 6 Form was reviewed and initialed by management
- 7 Vault Inspections have been completed and signed off on schedule
- 8 O&MI log has been reviewed and signed off on schedule. (for facilities with O&MIs)
- 9 Operating Diag on file w/current MAOP/MOP
- 10 PCV setpoints and control points are consistent with OpDiag MAOP/MOP

1	<u> </u>		
12	<u> </u>		
12	<u> </u>		
2	<u> </u>		
2	<u> </u>		
1	<u> </u>		
4	<u> </u>		
SUMMARY			
	30	0	0

RELIEF VALVES

- 11 Is the most recent version of the relief valve maintenance form being used?
- 12 Is the information on the top of the form complete?
- 13 Is the Package Relief form used when appropriate (FH70)?
- 14 Equipment number on the maintenance form and RV Calculations match
- 15 Is there a relief valve list? Should note all reliefs, & whether they are package reliefs.
- 16 Relief valve calculations are available (excl. pkg)
- 17 Relief valve calculations have been verified and signed off on schedule.
- 18 Is form filled in properly (relies correctly on previous year data)?
- 19 All relief maintenance performed on scheduled
- 20 Actual relief set-points are in agreement with calculations (Can not be higher!)

3	<u> </u>		
5	<u> </u>		
8	<u> </u>		
	YES <input checked="" type="radio"/> NO <input type="radio"/>		
8	<u> </u>		
6	<u> </u>		
8	<u> </u>		
SUMMARY			
	25	0	0

Note: Also complete a valve record audit for this

RESOLVED ITEMS

- 2 - 2001 work is due late October. Only 2000 records in file.
- 3 - Use Relief Valve Record (form) from now on.
- 3 - still the district superintendent sign off for 2001
- 4 - records show that all reliefs still have inadequate capacity. recommend maintaining an action plan in file.
- 5 - valve names are not consistent (see pg 2 for this station)
- 6 - actual set points exceed set points specified in calculations, but the calculations were done after the 2000 year maintenance. district should have gone back to review the set points once the calculations were received, and in this case, readjusted the set points. 4 valves not scored here due to the unusual nature of this oversight, but still significant item. (see pg 2 for this station)

UNRESOLVED ITEMS

- 1 - Note explains that station data is found on equipment cards currently being completed. No date is given for the note, or expected completion - add this info to the notes.

District: Kettleman PL
 Auditor: [REDACTED]
 Date: 10/22-23/01

GSMandTS
CORROSION CONTROL
RECORD AUDIT SHEET

Line 2

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1	Is the map depicting the system, and has rectifiers shown on it, in the folder (OpMap typ)	1		
2	Are <u>all</u> of the CP Station Reports in the folder	3		
3	Is the most recent Rectifier Reads - Paradigm report in the folder (print out and compare)	1		
4	Is the most recent P/S Reads - Paradigm report in the folder (print out and compare)	1		
5	Is the CP Station Report Form reasonably complete and clear?	3		

QUALITY OF CP DATA

6	Are the Rectifier Reads performed on schedule? (two months not to exceed 75 days)	3		
7	Are the P/S Reads performed on schedule (once per calendar year not to exceed 15 months)	31		
8	Are there comments on deficiencies encountered	2		
8a	<i>Deficiencies: P/S > [850]mv or < 100mv shift; C/S < [800]mv or < 100 or P/S</i>			
8b	<i>Deficiencies: P/S > [1600] mv (anodic field or??)</i>			
9	Are Action Plans in the folder? Does the Action Plan state scope and schedule for correction(s)?			

SUMMARY

45	0	0
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Not Included in Score for 2001 - Basis for prospective performance improvement

9	Are the reads NEGATIVE sign? (accurate - to support database exception management process)	1		
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FOOTNOTES

1 - Reads are negative everywhere, which avoids useless paradigm exception reporting. GOOD!

District: Kettleman PL
 Auditor: ██████████
 Date: 5/29/02

CORROSION CONTROL RECORD AUDIT SHEET

L 190

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1 Is the map depicting the system, and has rectifiers shown on it, in the folder (OpMap typ)	1		
2 Are <u>all</u> of the CP Station Reports in the folder	2		
3 Is the most recent Rectifier Reads - Paradigm report in the folder (print out and compare)	1		
4 Is the most recent P/S Reads - Paradigm report in the folder (print out and compare)	1		
5 Is the CP Station Report Form reasonably complete and clear?	2		

QUALITY OF CP DATA

6 Are the Rectifier Reads performed on schedule? (two months not to exceed 75 days)	2		
7 Are the P/S Reads performed on schedule (once per calendar year not to exceed 15 months)	18		
8 Are there comments on deficiencies encountered			
8a Deficiencies: P/S>[850]mv or <100mv shift; C/S<[800]mv or <100 or P/S	2	<1 no score>	
8b Deficiencies: P/S>[1600] mv (anodic field or??)	1	<1 no score>	
9 Are Action Plans in the folder? Does the Action Plan state scope and schedule for correction(s)?			

SUMMARY

27	0	0
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Not Included in Score for 2001 - Basis for prospective performance improvement

9 Are the reads NEGATIVE sign? (accurate - to support database exception management process)	4		18
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RESOLVED ITEMS

1 - 10.24, no comment on out of spec reading

2 - 11.96/11.97, no comment on shorted casing. No action plan note in paradigm. Action plan was found. Need to refer to it in paradigm and add to the folder.

3 - no comment in paradigm on P/S reading at 13.1 out of spec.

4 - Reads are negative everywhere, which avoids useless paradigm exception reporting. GOOD!

UNRESOLVED ITEMS

New revised paradigm output should be added to the record folder to replace the existing one.

District: Kettleman PL
 Auditor: [REDACTED]
 Date: 5/29/02

CORROSION CONTROL RECORD AUDIT SHEET

L 300A

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1 Is the map depicting the system, and has rectifiers shown on it, in the folder (OpMap typ)	1		
2 Are <u>all</u> of the CP Station Reports in the folder	2	19	0
3 Is the most recent Rectifier Reads - Paradigm report in the folder (print out and compare)	1		
4 Is the most recent P/S Reads - Paradigm report in the folder (print out and compare)	5	1	
5 Is the CP Station Report Form reasonably complete and clear?	18		

QUALITY OF CP DATA

6 Are the Rectifier Reads performed on schedule? (two months not to exceed 75 days)		19	
7 Are the P/S Reads performed on schedule (once per calendar year not to exceed 15 months)		188	
8 Are there comments on deficiencies encountered		6	
<i>8a Deficiencies: P/S>[850]mv or <100mv shift; C/S<[800]mv or <100 or P/S</i>			
<i>8b Deficiencies: P/S>[1600] mv (anodic field or??)</i>			
9 Are Action Plans in the folder? Does the Action Plan state scope and schedule for correction(s)?	1	5	

SUMMARY

258	0	0
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Not Included in Score for 2001 - Basis for prospective performance improvement

9 Are the reads NEGATIVE sign? (accurate - to support database exception management process)	4	18	
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RESOLVED ITEMS

1 - although work requests are listed in paradigm (GOOD!!), no action plans were found in the file for these areas: 262.03, 283.12, 303.08, 307.6, 334.81 . OK as long as WRs are easily accessible.

2 - station report is missing from the folder for 367.2 .

3 - the station reports are split between 300 a and 300 B. without clear list or rationale why. It is recommended that paradigm clearly show which rectifier belongs to which line to correspond exactly with the cathodic protection maintenance records on file.

4 - Reads are negative everywhere, which avoids useless paradigm exception reporting. GOOD!

5 - the 10/01 records were found to be taken, but need to be added to the file.

District: Kettleman PL
 Auditor: [REDACTED]
 Date: 5/29/02

CORROSION CONTROL RECORD AUDIT SHEET

L 300B

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1 Is the map depicting the system, and has rectifiers shown on it, in the folder (OpMap typ)	1		
2 Are <u>all</u> of the CP Station Reports in the folder	3		
3 Is the most recent Rectifier Reads - Paradigm report in the folder (print out and compare)	1		
4 Is the most recent P/S Reads - Paradigm report in the folder (print out and compare)	5		
5 Is the CP Station Report Form reasonably complete and clear?	18		

QUALITY OF CP DATA

6 Are the Rectifier Reads performed on schedule? (two months not to exceed 75 days)		see L300A	
7 Are the P/S Reads performed on schedule (once per calendar year not to exceed 15 months)	193		
8 Are there comments on deficiencies encountered	3		
8a Deficiencies: P/S>[850]mv or <100mv shift; C/S<[800]mv or <100 or P/S			
8b Deficiencies: P/S>[1600] mv (anodic field or??)	1	1	
9 Are Action Plans in the folder? Does the Action Plan state scope and schedule for correction(s)?	4		

SUMMARY

222	0	0
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Not Included in Score for 2001 - Basis for prospective performance improvement

9 Are the reads NEGATIVE sign? (accurate - to support database exception management process)	4		
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RESOLVED ITEMS

1 - casing 231.27 exceeds spec although stated as clear. Need to comment in paradigm?
 2 - n/a.
 3 - refer to line 300A, note 3
 4 - Reads are negative everywhere, which avoids useless paradigm exception reporting. GOOD!
 5 - the 10/01 records need to be added to the file.

UNRESOLVED ITEMS

New revised paradigm output should be added to the record folder to replace the existing one.

District: Kettleman PL
 Auditor: ██████████
 Date: 5/29/02

CORROSION CONTROL RECORD AUDIT SHEET

L 306

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

1 Is the map depicting the system, and has rectifiers shown on it, in the folder (OpMap typ)	1		
2 Are <u>all</u> of the CP Station Reports in the folder	8		
3 Is the most recent Rectifier Reads - Paradigm report in the folder (print out and compare)	1		
4 Is the most recent P/S Reads - Paradigm report in the folder (print out and compare)	1		
5 Is the CP Station Report Form reasonably complete and clear?	8		

QUALITY OF CP DATA

6 Are the Rectifier Reads performed on schedule? (two months not to exceed 75 days)	8		
7 Are the P/S Reads performed on schedule (once per calendar year not to exceed 15 months)	74		
8 Are there comments on deficiencies encountered			
8a Deficiencies: P/S>[850]mv or <100mv shift; C/S<[800]mv or <100 or P/S			
8b Deficiencies: P/S>[1600] mv (anodic field or??)	1,2		
9 Are Action Plans in the folder? Does the Action Plan state scope and schedule for correction(s)?	1,2	6	0

SUMMARY

107	0	0
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Not Included in Score for 2001 - Basis for prospective performance improvement

9 Are the reads NEGATIVE sign? (accurate - to support database exception management process)	3		
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RESOLVED ITEMS

- 1 - casing leaks need paradigm note and action plan in folder. 0.25, 6.53, 38.75, 54.05/54.06, 68.7. Two have repairs underway = minor score. Two are still being checked for action plans. Primarily, the "yes" in the leak field should be "no", since no leaks were found. Correct paradigm.
- 2 - casing at 69.95 needs current note.
- 3 - Reads are negative everywhere, which avoids useless paradigm exception reporting. GOOD!
- 4 - complete action listing is in the district files. GOOD!

District: Kettleman PL
 Auditor: [REDACTED]
 Date: 10/22-23/01

GSMandTS
CORROSION CONTROL
RECORD AUDIT SHEET

L 401

note key	DEFICIENCY TYPE		
	OK	MINOR	SIGNIFICANT

ADMINISTRATIVE INFORMATION

- 1 Is the map depicting the system, and has rectifiers shown on it, in the folder (OpMap typ) 1
- 2 Are all of the CP Station Reports in the folder n/a
- 3 Is the most recent Rectifier Reads - Paradigm report in the folder (print out and compare) _____
- 4 Is the most recent P/S Reads - Paradigm report in the folder (print out and compare) 1
- 5 Is the CP Station Report Form reasonably complete and clear? n/a

QUALITY OF CP DATA

- 6 Are the Rectifier Reads performed on schedule? (two months not to exceed 75 days) none
- 7 Are the P/S Reads performed on schedule (once per calendar year not to exceed 15 months) 34
- 8 Are there comments on deficiencies encountered _____
- 8a Deficiencies: P/S>[850]mv or <100mv shift; C/S<[800]mv or <100 or P/S _____
- 8b Deficiencies: P/S>[1600] mv (anodic field or??) _____
- 9 Are Action Plans in the folder? Does the Action Plan state scope and schedule for correction(s)? _____

SUMMARY

36	0	0
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Not Included in Score for 2001 - Basis for prospective performance improvement

- 9 Are the reads NEGATIVE sign? (accurate - to support database exception management process) 1

FOOTNOTES

1 - Reads are negative everywhere, which avoids useless paradigm exception reporting. GOOD!