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

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9	Valves BtwlloInt	67	Reg&PLS Panoche Regs+Sta				
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36

1

Corrosion 401

###			Good	
l	0		Minor	
l		0	Significant	

Valves 300B PL4-309

129

6/18/02

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.
- \pm 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.

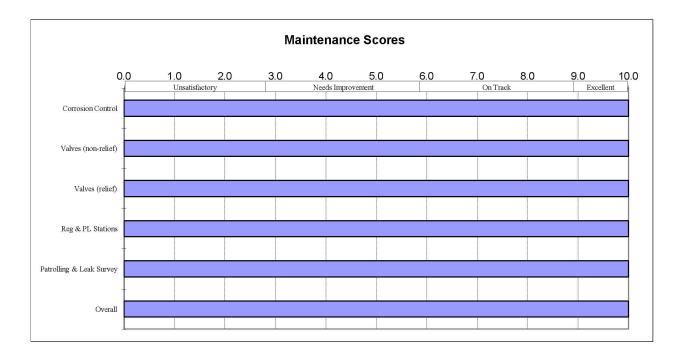
AuditSheetsKPL0502D, SCORING

Kettleman Pipeline Auditor: 5/29/02

Maintenance Audit

Scoring Summary

	Impact	1	3	7			
	Points	10	5	0			
Category	Number of Items Audited	ок	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%	0	→ 10.0	
Overall	6	<=categorie	s audited	_	ted Average verall Score	10.0	Excellent
				0	•		



PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

Line 2

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
AD	MINISTRATIVE 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		1		-
5	by the district (Verify by PLM listing of aerial patrols) When did the district convert to the new aerial program?		1 5/22/2001 (date)		
PA	TROLLING / LEAK SURVEY				
6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1	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	<u>></u>
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 "Peformed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date"				
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		

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.

SUMMARY

10

- 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.

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

Line 2

		note		DEFICIE	ENCY TYPE
		key	OK	MINOR	SIGNIFICANT
Н	GHWAYS & 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

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

Line 2

				DEFICIE	ENCY TYPE
			OK	MINOR	SIGNIFICAN'
EX	POSED 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	5			
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	6	1	0	_
32	Is the last "Patrol Date" within 15 months of the previous "Patrol Date" for each location		1	-	
	SUMMARY		4	0	0
	SOLVED ITEMS 5/5/01 patrol, 8/21 district superintendent sign off. Tighte	n the s	ystem schedu	ıle.	
	RESOLVED ITEMS No exposed piping in 99, no 2000 year record, yet 2001 re	cord h	as MP 65. R	esolve	

TOTAL

14

0

0

5/29/02

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

Line: 190

		note]	DEFICIE	ENCY TYPE
		key	OK	MINOR	SIGNIFICANT
AD	MINISTRATIVE 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		1		
3	integrity of the organization of the records) System map is in the file indicating the area		<u>1</u>		_
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)		
PA	FROLLING / LEAK SURVEY				
6	"Area" through "Special Equipment Needed" portion of	1			
_	the form is completely filled in	-	1		_
7	The sum of the patrol reports covers the entire pipeline		1		
8	that is to be patrolled/leak surveyed Appropriate leak survey method is selected for the area		1		
O	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				
1.0	Action, "Action By" and "Date"				_
13 14	Is the Patrol report signed off by the patroller Is the Patrol Report signed off by the District				
14	Superintendent within 1 month of the patrol				
15	Is the last "Peformed By Date" within a calendar year				
15	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.				

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.

SUMMARY

- 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!

7

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

Line: 190

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
HIC	GHWAYS & 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	5			
	Superintendent within 1 month of the patrol	3	1	<1 not scor	<u>e</u> d>
25	Is the last "Patrol Date" within 4.5 or 7.5 months of the	5			
	previous "Patrol Date" for each crossing	3	3		
	SUMMARY		9	0	0

8

DEFICIENCY TYPE

MINOR SIGNIFICANT

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

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

Line: 190

EXPOSED PIPING

- 26 Top portion of the form is completely filled in? Is the range of MP to MP complete?
- 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

	1		
	1		•
	1		
4	1	0	
	1		
	5	0	0

ОК

SUMMARY

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

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300A 226-PLS4

		note		DEFICIE	ENCY TYPE
		key	OK	MINOR	SIGNIFICANT
AD	MINISTRATIVE 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	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)		
PA	FROLLING / LEAK SURVEY				
6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1	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 "Peformed 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.				

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.

SUMMARY

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!

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300A 226-PLS4

		note		DEFICIE	ENCY TYPE
		key	OK	MINOR	SIGNIFICANT
HIC	GHWAYS & RAILROADS (F4111b)	4			
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	_	
				_	
	SUMMARV		6	1 0	1 0

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300A 226-PLS4

EXPOSED PIPING

- 26 Top portion of the form is completely filled in? Is the range of MP to MP complete?
- 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

			NCY TYPE
	OK	MINOR	SIGNIFICANT
	1		_
	1	,	
6			
	1		
	1		_
5	31		
	35	0	0

SUMMARY

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.

TOTAL 50 0 0

GSMandTS PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300A PLS4-309

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
AD	MINISTRATIVE 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	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)		
PA'	FROLLING / LEAK SURVEY				
6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1	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 "Peformed 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.				

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.

SUMMARY

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!

GSMandTS PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300A PLS4-309

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
щ	GHWAYS & 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	4			
	previous "Patrol Date" for each crossing	4	1		
	SUMMARY		6	0	0

GSMandTS PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300A PLS4-309

			DEFICIE	NCY TYPE
		OK	MINOR	SIGNIFICAN
EX	POSED 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
RES	SOLVED ITEMS			
	The second crossing patrol is entirely blank. First patrol was 1/rence to the quarterly aerial patrol.	01. Note shou	ıld be includ	ed with
	TOTAL	15	0	0

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300A 309-KCS

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
AD	MINISTRATIVE 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	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)		
PA'	FROLLING / LEAK SURVEY				
6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1	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				
1.5	Superintendent within 1 month of the patrol				
15	Is the last "Peformed 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.	,			
	,,,,				

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

SUMMARY

- 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!

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300A 309-KCS

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
HIC	GHWAYS & RAILROADS (F4111b)	4			
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

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300A 309-KCS

EXPOSED PIPING

- 26 Top portion of the form is completely filled in? Is the range of MP to MP complete?
- 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

			NCY TYPE
	OK	MINOR	SIGNIFICANT
	1		
	1		
	15	•	
	15		
	1		
5	1	0	
6	16		0
	50	0	0

SUMMARY

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

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

Line: 300A KCS - 405.2

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ıne			l i	DEFECT	MONETH TO S
		note	OT.		NCY TYPE
ΑĐ	MINISTRATIVE INFORMATION	key	OK	MINOR	SIGNIFICANT
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)		
PA'	TROLLING / LEAK SURVEY				
6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1	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 "Peformed 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.				
	V . A . / . A	•			
	SUMMARY		7	0	0

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!

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

Line: 300A KCS - 405.2

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
HIC	GHWAYS & 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	7			_
	previous "Patrol Date" for each crossing	/			
	SUMMARY		5	0	0

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

Line: 300A KCS - 405.2

EXI	POSED PIPING
26	Top portion of the form is completely filled in? Is the
	range of MP to MP complete?
2.7	The roster of exposed piping is the same as the

- 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

		DEFICIE	ENCY TYPE
	OK	MINOR	SIGNIFICANT
	1		
	1		_
	-		
	1		
	38		
4	38	'	
		'	
	3		_
5	2		
	3		_
	38		
	<u> </u>		
	122	0	0

SUMMARY

122	0	0

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 defering 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

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300B 226-PLS4

	r				
		note kev	OK	MINOR	NCY TYPE SIGNIFICANT
AD	UMINISTRATIVE INFORMATION	ксу	OK	MINOR	BIGNIFICANT
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	1		
3	System map is in the file indicating the area		1		<u>_</u>
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)		
PA'	FROLLING / LEAK SURVEY				
6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1	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				
15	Superintendent within 1 month of the patrol Is the last "Peformed By Date" within a calendar year				
15	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		

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.

SUMMARY

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!

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300B 226-PLS4

	note		DEFICIE	NCY TYPE
	key	OK	MINOR	SIGNIFICANT
GHWAYS & RAILROADS (F4111b)				
Top portion of the form is completely filled in.		1		
Is the range of MP to MP cover entire length?		1		
The roster of highways and railroads is the same as the				_
previous year or explanations are documented		1		
The instrument ID is documented for each patrol at the				
bottom of the form				
If "Issue" is checked, there is an explanation on the				
back of the form				
If an "Issue" is documented, is there an associated				
"Action", "Action By" and "Date"				
Is the Patrol report signed off by the patroller		1		
Is the Patrol Report signed off by the District				
Superintendent within 1 month of the patrol		1		
Is the last "Patrol Date" within 4.5 or 7.5 months of the	4			_
previous "Patrol Date" for each crossing	4	1		
_				
SUMMARY		6	0	0
	Is the range of MP to MP cover entire length? The roster of highways and railroads is the same as the previous year or explanations are documented. The instrument ID is documented for each patrol at the bottom of the form. If "Issue" is checked, there is an explanation on the back of the form. If an "Issue" is documented, is there an associated "Action", "Action By" and "Date". Is the Patrol report signed off by the patroller. Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol. Is the last "Patrol Date" within 4.5 or 7.5 months of the previous "Patrol Date" for each crossing.	key GHWAYS & RAILROADS (F4111b) Top portion of the form is completely filled in. Is the range of MP to MP cover entire length? The roster of highways and railroads is the same as the previous year or explanations are documented The instrument ID is documented for each patrol at the bottom of the form If "Issue" is checked, there is an explanation on the back of the form If an "Issue" is documented, is there an associated "Action", "Action By" and "Date" Is the Patrol report signed off by the patroller Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol Is the last "Patrol Date" within 4.5 or 7.5 months of the previous "Patrol Date" for each crossing	Top portion of the form is completely filled in. Is the range of MP to MP cover entire length? The roster of highways and railroads is the same as the previous year or explanations are documented The instrument ID is documented for each patrol at the bottom of the form If "Issue" is checked, there is an explanation on the back of the form If an "Issue" is documented, is there an associated "Action", "Action By" and "Date" Is the Patrol report signed off by the patroller Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol Is the last "Patrol Date" within 4.5 or 7.5 months of the previous "Patrol Date" for each crossing	Regiment Series (Section 1) Series (Section 2) Seri

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300B 226-PLS4

EXPOSED PIPING

- 26 Top portion of the form is completely filled in? Is the range of MP to MP complete?
- 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

		DEFICIENCY TYPE				
	OK	MINOR	SIGNIFICANT			
	1					
	1					
6						
	1					
	1					
5	34					
	38	0	0			

SUMN

IARY	38	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
- 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

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300B PLS4-309

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
AD	MINISTRATIVE 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	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)		
PA'	FROLLING / LEAK SURVEY				
6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1	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 "Peformed 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.				

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.

SUMMARY

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!

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300B PLS4-309

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
HIC	GHWAYS & 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	4			
	previous "Patrol Date" for each crossing	4	1		
	SUMMARV		6	Λ	0

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300B PLS4-309

			DEFICIE	ENCY TYPE
		OK	MINOR	SIGNIFICAN
EX	POSED 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			<u> </u>
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			<u> </u>
	previous "Patrol Date" for each location			
	SUMMARY	0	0	T 0
RES	SOLVED ITEMS			
4 - '	The second crossing patrol is entirely blank. First patrol was 1	01. Note shou	ld be includ	led with
	rence to the quarterly aerial patrol.			

TOTAL

15

0

District: Kettleman P/L

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300B 309-KCS

Auditor: Date: 5/29/02

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
AD	MINISTRATIVE 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	1			
_	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	1			
5	by the district (Verify by PLM listing of aerial patrols) When did the district convert to the new aerial program?		5/22/2001		
3	when did the district convert to the new aeriai program?		(date)		
			(date)		
PAT	FROLLING / LEAK SURVEY				
6	"Area" through "Special Equipment Needed" portion of				
	the form is completely filled in	1	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				
15	Superintendent within 1 month of the patrol				
13	Is the last "Peformed By Date" within a calendar year not to exceed 15 months of the previous "Performed By				
	Date"		1		
16			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.				
	survey, repair, and inspection form r4110 fined out.				
	SUMMARY		8	0	0
	SOMMA				· ·

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!

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300B 309-KCS

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
HIC	GHWAYS & RAILROADS (F4111b)	4			
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

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L300B 309-KCS

EXPOSED PIPING

- 26 Top portion of the form is completely filled in? Is the range of MP to MP complete?
- 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

		DEFICIENCY TYPE					
	OK	MINOR	SIGNIFICANT				
	1						
	1						
	5	'					
	5						
	1	i					
5	1		_				
	5						
	19	0	0				

SUMMARY

19	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.

TOTAL

33	0	0

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

Line: 300B KCS - 405.2

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
AD	MINISTRATIVE 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)		
D.	TROLLING / LEAK SURVEY				
6 6	"Area" through "Special Equipment Needed" portion of				
O		1	1		
7	the form is completely filled in The sum of the patrol reports covers the entire pipeline		1		-
1	that is to be patrolled/leak surveyed		1		
8	Appropriate leak survey method is selected for the area			•	
O	that is being surveyed (does the district follow its				
	plan?)		1		
9	If flamepacking is performed, the instrument number is		1		
,	shown				
10	All items on list checked as "OK" or "Condition				
10	Found"				
11	If "Condition Found" is checked, is there an "Issue"				-
11	documented				
12	If an "Issue" is documented, is there an associated				
12	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 "Peformed 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				
10	and/or buried piping was uncovered, was a "leak				
	survey, repair, and inspection" form F4110 filled out.				
	sat. 1, 110 mod out.			,	
	SUMMARY		7	0	0

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!

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

Line: 300B KCS - 405.2

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
Н	GHWAYS & RAILROADS (F4111b)	4			_
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		. <u></u> .
	SUMMARY		6	0	0

DEFICIENCY TYPE

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

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

Line: 300B KCS - 405.2

			OK	MINOR	SIGNIFICAN
EX	POSED 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	5	24		
	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	6			•
	Superintendent within 1 month of the patrol	O			_
32	Is the last "Patrol Date" within 15 months of the				
	previous "Patrol Date" for each location		38		

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.

SUMMARY

- 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.

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PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L 306

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
AD	MINISTRATIVE 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	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)		
PA'	FROLLING / LEAK SURVEY				
6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1	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				1
	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 "Peformed 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.				

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 - 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.

SUMMARY

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

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L 306

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
HIC	GHWAYS & RAILROADS (F4111b)	4			
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

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L 306

EX	POSED 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"		
20	7 11 75 11 11 11 11 11 11	-	

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

	1		
	1		
		•	
	1		·
5			
	1		
	4	0	0

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DEFICIENCY TYPE

MINOR SIGNIFICANT

SUMMARY

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

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

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L 401, 399-Panoche

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
AD	MINISTRATIVE 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)		
PA	TROLLING / LEAK SURVEY				
6	"Area" through "Special Equipment Needed" portion of the form is completely filled in	1	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		1		
	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				
1.5	Superintendent within 1 month of the patrol				
15	Is the last "Peformed By Date" within a calendar year				
	not to exceed 15 months of the previous "Performed By Date"		1		
1.0			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.				

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 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!to

SUMMARY

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DEFICIENCY TYPE

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

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

note

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L 401, 399-Panoche

Is the last "Patrol Date" within 4.5 or 7.5 months of the

previous "Patrol Date" for each crossing

				_	_
		key	OK	MINOR	SIGNIFICANT
НІС	GHWAYS & 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				

SUMMARY

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

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

L 401, 399-Panoche

				DEFICIENCY TYPE		
			OK	MINOR	SIGNIFICAN'	
EX	POSED 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	L	3	0	0	
l .	SOLVED ITEMS 6/5/01 patrol, 8/21 district superintendent sign off. Tighten t	the sy	stem sched	ule.		
	TOTAL	Г	13	0	0	

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

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

Line: Anderson

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) 3 System map is in the file indicating the area 4 The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols) 5 When did the district convert to the new aerial program? 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 8 Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?) 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 2 If an "Issue" is documented, is there an associated Action, "Action By" and "Date" 13 Is the Patrol Report signed off by the District Superintendent within 1 month of the patroller 15 Is the last "Peformed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date" 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.		[note		DEFICIE	ENCY TYPE
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) 3 System map is in the file indicating the area 4 The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols) 5 When did the district convert to the new aerial program? 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 8 Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?) 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" 14 Is the Patrol Report signed off by the patroller 15 Is the Patrol report signed off by the District Superintendent within 1 month of the patrol 15 Is the last "Peformed By Date" 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.			key	OK	MINOR	SIGNIFICANT
Highways & Railroads, Exposed Piping, Slide Areas) Are the records in the standardized files (primarily the integrity of the organization of the records) System map is in the file indicating the area The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols) When did the district convert to the new aerial program? When did the district convert to the new aerial program? PATROLLING / LEAK SURVEY Area" through "Special Equipment Needed" portion of the form is completely filled in The sum of the patrol reports covers the entire pipeline that is to be patrolled/leak surveyed Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?) If flamepacking is performed, the instrument number is shown All items on list checked as "OK" or "Condition Found" If "Condition Found" is checked, is there an "Issue" documented If an "Issue" is documented, is there an associated Action, "Action By" and "Date" Is the Patrol report signed off by the patroller Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol Is the last "Peformed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date" 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.	AD]	MINISTRATIVE INFORMATION				
integrity of the organization of the records) System map is in the file indicating the area The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols) When did the district convert to the new aerial program? When did the district convert to the new aerial program? PATROLLING / LEAK SURVEY Marea" through "Special Equipment Needed" portion of the form is completely filled in The sum of the patrol reports covers the entire pipeline that is to be patrolled/leak surveyed Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?) If flamepacking is performed, the instrument number is shown All items on list checked as "OK" or "Condition Found" If "Condition Found" is checked, is there an "Issue" documented If an "Issue" is documented, is there an associated Action, "Action By" and "Date" Is the Patrol Report signed off by the plistrict Superintendent within 1 month of the patroller Is the Patrol Report signed off by the District Superintendent within 1 month of the patrol 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			1		
4 The sum of all files covers all of the lines maintained by the district (Verify by PLM listing of aerial patrols) 5 When did the district convert to the new aerial program? 6 "Area" through "Special Equipment Needed" portion of the form is completely filled in the form is completely filled in the sum of the patrol reports covers the entire pipeline that is to be patrolled/leak surveyed 8 Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?) 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 "Peformed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date" 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.	2		·	1		_
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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 8 Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its plan?) 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 "Peformed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date" 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.	4		•	1		_
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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 "Peformed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date" 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.	8	Appropriate leak survey method is selected for the area that is being surveyed (does the district follow its	•	1		
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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 "Peformed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date" 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.	12					
Superintendent within 1 month of the patrol 15 Is the last "Peformed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date" 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.	13					_
15 Is the last "Peformed By Date" within a calendar year not to exceed 15 months of the previous "Performed By Date" 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.	14	Is the Patrol Report signed off by the District				
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.	15	Is the last "Peformed By Date" within a calendar year not to exceed 15 months of the previous "Performed By	•	1		
SUMMARY 8 0 0	16	If the patrolling report indicates that a leak was found and/or buried piping was uncovered, was a "leak		1		
		SUMMARY	ı	8	0	1 0 1

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		DEFICIE	ENCY TYPE
		key	OK	MINOR	SIGNIFICANT
НІС	GHWAYS & 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:
Date: 5/29/02

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

Line: Anderson

			DEFICIE	ENCYTYPE
		OK	MINOR	SIGNIFICAN'
EX	POSED 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		1	
	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
RES	SOLVED ITEMS			
4 - 0	denote in the crossing portion of the file is "no exposed piping"	. Should be "1	no crossings	".
_				
	TOTAL	8	0	0

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

PATROLLING / LEAK SURVEY RECORD AUDIT SHEET

Line: Coalinga Prison

]	note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
AD	MINISTRATIVE 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)		
PA'	FROLLING / LEAK SURVEY				
6	"Area" through "Special Equipment Needed" portion of				
	the form is completely filled in	1	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 "Peformed 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

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: Coalinga Prison

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
НІС	GHWAYS & RAILROADS (F4111b)	4			
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

Line: Coalinga Prison

			DEFICIE	ENCY TYPE
		OK	MINOR	SIGNIFICANT
EX	POSED 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
	SOLVED ITEMS The second Crossing patrol includes the note "records are in pa	orodiam" Fire	at potrol was	1/01 This
	eline was not found in the full set of paradigm reports provided			h is generally
	rect since it is consistent with a conversion to the quarterly bur			
	uld be to the quarterly aerial patrol, not to paradigm.	aar paaror proc	ess, out the r	or crone c
	I			
	TOTAL	14	0	0

District: KettlemanPL VALVE
Auditor: RECORD AUDIT SHEET

Bakersfield Tap

Date: 5/28/02

		note	OW.	_	NCY TYPE
T 7.4	I WE INWENTED V	key	OK	MINOR	SIGNIFICANT
	ALVE 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		\sim		
	appropriately?		(Yes) / No		
3	Valve maint records are organized and readily		\circ		
	accessible.		1		
		'			_
VA	ALVE DATA (From FF11.doc)				
4	Are the MAKE/MODEL and TYPE fields completed	1	10	0	
5	Are all of rest of the fields completed (illustrate	,			_
	conscious decision to show or exclude info)	2	10	0	
	,	•			_
~-					
	RVICE HISTORY				
6	Is the maint frequency once per calendar year not to		1.0		
7	exceed 15 months?		10	_	
7	Are the first 6 fields completed		10	_	
8	If REPAIRS were required, is ACTION shown and				
	Repair & Review signed off?	ı		_	

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.

SUMMARY

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District: KettlemanPL VALVE
Auditor: RECORD AUDIT SHEET

Buttonwillow Intertie

Date: 5/28/02

		note kev	OK	DEFICIE MINOR	NCY TYPE SIGNIFICANT
VA	ALVE INVENTORY				
2	Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district) If yes, has the Emergency / Other box checked off		Yes/ No		
3	appropriately? Valve maint records are organized and readily accessible.		Yes / No1		_
VA	ALVE DATA (From FF11.doc)				
4 5	Are the MAKE/MODEL and TYPE fields completed Are all of rest of the fields completed (illustrate		2		_
3	conscious decision to show or exclude info)	1	2		_
SE	RVICE HISTORY				
6	Is the maint frequency once per calendar year not to exceed 15 months?	2	2		
7	Are the first 6 fields completed		2	<u>.</u>	
8	If REPAIRS were required, is ACTION shown and Repair & Review signed off?				
	SUMMARY		9	0	0

- 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 VALVE Auditor: RECORD AUDIT SHEET Date: 5/28/02

Canfield

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
VA	ALVE 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		_
VA	ALVE 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		_
SE	RVICE 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?				

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.

SUMMARY

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!

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District: KettlemanPL
Auditor: RECORD AUDIT SHEET
Date: 5/28/02

Estella River PLS

		note		DEFICII	ENCY TYPE		
		key	OK	MINOR	SIGNIFICANT		
VA	ALVE 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		_		
VA	ALVE DATA (From FF11.doc)						
4	Are the MAKE/MODEL and TYPE fields completed	A	8				
5	Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)	2	8		_		
SE	RVICE HISTORY						
6	Is the maint frequency once per calendar year not to exceed 15 months?		4				
7	Are the first 6 fields completed		4	•			
8	If REPAIRS were required, is ACTION shown and Repair & Review signed off?						
	SUMMARY		25	0	0		
1 -	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						
	ovvi that the hilamir vivas met manualiv am avvancialit	_					

- 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			

VALVE RECORD AUDIT SHEET

Helm Tap

ruarior.	
Date: 5/2	8/02

		note		DEFICIENCY TYPE	
		key	OK	MINOR	SIGNIFICANT
1 2 3	Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district) If yes, has the Emergency / Other box checked off appropriately? Valve maint records are organized and readily accessible.	3, A	Yes No Yes / No		_
V	ALVE DATA (From FF11.doc)				
4 5	Are the MAKE/MODEL and TYPE fields completed Are all of rest of the fields completed (illustrate	1	11	0	_
	conscious decision to show or exclude info)	2,4,5	11		_
SE 6 7 8	Is the maint frequency once per calendar year not to exceed 15 months? Are the first 6 fields completed If REPAIRS were required, is ACTION shown and	,	11 11		
	Repair & Review signed off? SUMMARY		45	0	0

- 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			

DEFICIENCY TYPE

District: KettlemanPL

VALVE RECORD AUDIT SHEET

note

Kern River Sta

Auditor: Date: 5/28/02

		key	OK	MINOR	SIGNIFICANT	
VA	LVE INVENTORY		ı		-1	
	Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district)	4	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		_	
VA	LVE DATA (From FF11.doc)					
	Are the MAKE/MODEL and TYPE fields completed	1	6		_	
	Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)	2	6		_	
	RVICE HISTORY					
	Is the maint frequency once per calendar year not to exceed 15 months?	3	6			
8	Are the first 6 fields completed If REPAIRS were required, is ACTION shown and Repair & Review signed off?	5	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. 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						
UN	RESOLVED ITEMS					

District: KettlemanPL VALVE
Auditor: RECORD AUDIT SHEET

Monolith Tap

Date: 5/02

		note		DEFICIENCY TYPE	
		key	OK	MINOR	SIGNIFICANT
VA	ALVE 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?	3	Yes (No)		
3	Valve maint records are organized and readily accessible.	4	1		_
VA	ALVE DATA (From FF11.doc)				_
4	Are the MAKE/MODEL and TYPE fields completed Are all of rest of the fields completed (illustrate	1	8		
5					_
	conscious decision to show or exclude info)	2	8		<u> </u>
	RVICE HISTORY				
6	Is the maint frequency once per calendar year not to exceed 15 months?	5	8		
7	Are the first 6 fields completed				
8	If REPAIRS were required, is ACTION shown and Repair & Review signed off?				
	CITINATE A TONY		25 1	0	
	SUMMARY		25	0	0

- 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: RECORD AUDIT SHEET
Date: 5/28/02

Morro Bay Primary Set

note DEFICIENCY TYPE OK MINOR SIGNIFICANT key VALVE INVENTORY Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for 1 district) 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) Are the MAKE/MODEL and TYPE fields completed 13 Are all of rest of the fields completed (illustrate 2 conscious decision to show or exclude info) 13 SERVICE HISTORY Is the maint frequency once per calendar year not to exceed 15 months? 13 Are the first 6 fields completed 13 8 If REPAIRS were required, is ACTION shown and Repair & Review signed off? **SUMMARY** 53 0 0

- 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		

VALVE RECORD AUDIT SHEET Morro Bay Master Meter

Date: 5/28/02

		note		DEFICIENCY TYPE	
		key	OK	MINOR	SIGNIFICANT
\mathbf{V}_{A}	ALVE INVENTORY				_
1	Have the Emergency Valves been identified in the				
	district? (Work Mgmt Group action item, not scored for	1			
	district)		Yes / No		
2	If yes, has the Emergency / Other box checked off				
_	appropriately?		Yes / No		
3	Valve maint records are organized and readily		1		
	accessible.		1		_
	ALVE 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	2			
	conscious decision to show or exclude info)	_	6		_
SE	CRVICE HISTORY				
6	Is the maint frequency once per calendar year not to	3			
	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?				
		ı			
	SUMMARY		25	0	0

- 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: RECORD AUDIT SHEET
Date: 5/28/02

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	

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?
- 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.

DEFICIENCY TYPE

District: KettlemanPL

VALVE RECORD AUDIT SHEET

note

Panoche Sta

Auditor: Date: 5/28/02

		note		DEFICIT	INCI IIIE
		key	OK	MINOR	SIGNIFICANT
\mathbf{V}_{A}	ALVE INVENTORY				
1	Have the Emergency Valves been identified in the				
	district? (Work Mgmt Group action item, not scored for	3			
	district)		Yes (No)		
2	If yes, has the Emergency / Other box checked off	3	\circ		
	appropriately?	3	Yes / No		
3	Valve maint records are organized and readily				
	accessible.		1		_
T 7	ALVE DATE (F. PETT I.)				
	ALVE DATA (From FF11.doc)				
4	A == 41 - MAKEMODEL == 1 TVDE C =141-4 - 1	1,4	2.4		
-	Are the MAKE/MODEL and TYPE fields completed		24		_
5	Are all of rest of the fields completed (illustrate	2	2.4		
	conscious decision to show or exclude info)		24		_
~ •	DAVICE WATERY				
-	ERVICE HISTORY				
6	Is the maint frequency once per calendar year not to	8	2.4		
_	exceed 15 months?		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
	SUMMAKI		31	U	U

- 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 VALVE
Auditor: RECORD AUDIT SHEET

LRCV 237

Date: 5/28/02

		note		DEFICIE	ENCY TYPE
		key	OK	MINOR	SIGNIFICANT
VALVI	E INVENTORY				
1 Hav	ve the Emergency Valves been identified in the				
disti disti	rict? (Work Mgmt Group action item, not scored for rict)		Yes/No		
•	es, has the Emergency / Other box checked off ropriately?		Yes / No		
3 Val	ve maint records are organized and readily		\circ		
acce	essible.		1		_
VALVI	E DATA (From FF11.doc)				
4 Are	the MAKE/MODEL and TYPE fields completed	1	6		
	all of rest of the fields completed (illustrate				
cons	scious decision to show or exclude info)	2	6		_
SERVI	CE HISTORY				
	ne maint frequency once per calendar year not to				
exce	eed 15 months?		6	_	
7 Are	the first 6 fields completed		6		
8 If R	EPAIRS were required, is ACTION shown and	•		_	
Rep	pair & Review signed off?	•		-	
	SUMMARY		25	0	0

- 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: RECORD AUDIT SHEET
Date: 5/28/02

PLS 4

DEFICIENCY TYPE note OK MINOR SIGNIFICANT key VALVE INVENTORY 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. VALVE DATA (From FF11.doc) Are the MAKE/MODEL and TYPE fields completed 14 Are all of rest of the fields completed (illustrate conscious decision to show or exclude info) 2 14 SERVICE HISTORY 6 Is the maint frequency once per calendar year not to 3 exceed 15 months? 14 Are the first 6 fields completed 14

RESOLVED ITEMS

8 If REPAIRS were required, is ACTION shown and

Repair & Review signed off?

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!

SUMMARY

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UNRESOLVED ITEMS		

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District: KettlemanPL
Auditor: RECORD AUDIT SHEET
Date: 5/28/02

PLS 5

		note		DEFICIE	ENCY TYPE
		key	OK	MINOR	SIGNIFICANT
VA	ALVE 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?	A	Yes / No		
3	Valve maint records are organized and readily				
	accessible.		1		
V A	ALVE DATA (From FF11.doc)				
	Are the MAKE/MODEL and TYPE fields completed	1	11		
5	Are all of rest of the fields completed (illustrate				
	conscious decision to show or exclude info)	2	11		
SF	RVICE HISTORY				_
6	Is the maint frequency once per calendar year not to				
Ü	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

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).

VALVE RECORD AUDIT SHEET

Line 2

Date: 5/28/02

			_		
		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
VA	ALVE 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		<u> </u>		
	appropriately?		(Yes)/ No		
3	Valve maint records are organized and readily		\cup		
	accessible.		1		_
VA	ALVE DATA (From FF11.doc)				
4	Are the MAKE/MODEL and TYPE fields completed	A	11		
5	Are all of rest of the fields completed (illustrate	1			_
	conscious decision to show or exclude info)	1	11		
					_
SE	CRVICE HISTORY				
6	Is the maint frequency once per calendar year not to				
O	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		15	1 0	1 0 1
	SUMIMARI		45	0	0

- 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 VALVE
Auditor: RECORD AUDIT SHEET

Line 190

Date: 5/28/02

	note		DEFICIE	NCY TYPE
	key	OK	MINOR	SIGNIFICANT
VALVE INVENTORY				
 Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district) If yes, has the Emergency / Other box checked off appropriately? Valve maint records are organized and readily accessible. 	1	Yes No Yes No		_
VALVE DATA (From FF11.doc)				
4	A			
Are the MAKE/MODEL and TYPE fields completed	7.	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?	3,4	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

- 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		

VALVE RECORD AUDIT SHEET

L 300A V-230 - PLS4

Date: 5/28/02

	note		DEFICIE	NCY 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		(V)		
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	8		_
5 Are all of rest of the fields completed (illustrate				
conscious decision to show or exclude info)	2	8		_
SERVICE HISTORY				
6 Is the maint frequency once per calendar year not to	3			
exceed 15 months?	3	8	. 0	
Are the first 6 fields completed		8		
8 If REPAIRS were required, is ACTION shown and Repair & Review signed off?				
CHIRARA A DA	.7	22		1 0 1
SUMMARY	Y	33	0	0

- 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: Data: 5/28/02

VALVE RECORD AUDIT SHEET

L 300A PLS4 - 309.64

Date: 5/28/02

	note			ENCY 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)				
 Are the MAKE/MODEL and TYPE fields completed Are all of rest of the fields completed (illustrate 	1	23		_
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

- 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		

VALVE RECORD AUDIT SHEET

L 300A 309.64-KCS

Date: 5/28/02

			•		
		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
VA	ALVE INVENTORY				
2 3	Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district) If yes, has the Emergency / Other box checked off appropriately? Valve maint records are organized and readily accessible.		Yes/No Yes/No		_
VA	ALVE 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 sco	red>
SE 6 7 8	Is the maint frequency once per calendar year not to exceed 15 months? Are the first 6 fields completed If REPAIRS were required, is ACTION shown and Repair & Review signed off?	3, A	21 21	- -	
	SUMMARY		66	T 0	0
				1	

- 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		

VALVE RECORD AUDIT SHEET L 300A KCS-405.2

Date: 5/28/02

		note		DEFICIE	ENCY TYPE
		key	OK	MINOR	SIGNIFICANT
VALVE	INVENTORY				
	the Emergency Valves been identified in the				
distri distri	ct? (Work Mgmt Group action item, not scored for ct)		Yes/No		
•	h, has the Emergency / Other box checked off opriately?		Yes / No		
	e maint records are organized and readily		\circ		
acces	sible.		1		_
VALVE	DATA (From FF11.doc)				
4 Are t	he MAKE/MODEL and TYPE fields completed		17		_
	Il of rest of the fields completed (illustrate	1	17		
consc	cious decision to show or exclude info)	1	17		_
SERVIC	E HISTORY				
	maint frequency once per calendar year not to				
	ed 15 months?		17		
7 Are t	he first 6 fields completed		17		
	PAIRS were required, is ACTION shown and			1	
Repa	ir & Review signed off?			ı.	
	SUMMARY		69	0	
	SOMMAKI		07		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:

VALVE RECORD AUDIT SHEET

L 300B 230.26-PLS4

Date: 5/28/02

		note kev	OK	DEFICIE MINOR	NCY TYPE SIGNIFICANT
VA	ALVE INVENTORY	КСУ	OK	MINOR	SIGNII ICANI
1	Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district) If yes, has the Emergency / Other box checked off		Yes/No		
_	appropriately?		(Ye)/No		
3	Valve maint records are organized and readily		\circ		
	accessible.		1		_
V A 4 5	ALVE DATA (From FF11.doc) Are the MAKE/MODEL and TYPE fields completed Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)	1 2	13		-
SE 6 7 8	Is the maint frequency once per calendar year not to exceed 15 months? Are the first 6 fields completed If REPAIRS were required, is ACTION shown and Repair & Review signed off?	3, A	13 13		
	SUMMARY		53	0	0

- 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		

VALVE **RECORD AUDIT SHEET**

L 300B PLS4 - 309.64

Date: 5/28/02

		note		DEFICIE	ENCY TYPE
		key	OK	MINOR	SIGNIFICAN
\mathbf{V}_{A}	ALVE INVENTORY				
2	Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district) If yes, has the Emergency / Other box checked off appropriately?		Yes / No		
3	Valve maint records are organized and readily accessible.		1		_
\mathbf{V}_{A}	ALVE 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		_
SI	Is the maint frequency once per calendar year not to exceed 15 months?	3, A	32		
7					-
7 8	Are the first 6 fields completed If REPAIRS were required, is ACTION shown and Repair & Review signed off?		32		
	SUMMARY		129	0	0

- 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		

VALVE RECORD AUDIT SHEET

L 300B 309.2-KCS

Date: 5/28/02

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
VA	ALVE 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		_
VA	ALVE DATA (From FF11.doc)				
4	Are the MAKE/MODEL and TYPE fields completed		20		_
5	Are all of rest of the fields completed (illustrate conscious decision to show or exclude info)	1	20		_
SE 6	RVICE HISTORY Is the maint frequency once per calendar year not to				
	exceed 15 months?		20		
7	Are the first 6 fields completed		20	_	
8	If REPAIRS were required, is ACTION shown and Repair & Review signed off?				
	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.

VALVE RECORD AUDIT SHEET

L 300B KCS-405.48

Date: 5/28/02

		note			NCY TYPE
T 7	ALL VID INIVERSITADIV	key	OK	MINOR	SIGNIFICANT
V A 1 2 3	Have the Emergency Valves been identified in the district? (Work Mgmt Group action item, not scored for district) If yes, has the Emergency / Other box checked off appropriately? Valve maint records are organized and readily accessible.	3	Yes/No Yes/No 1		_
V A	ALVE DATA (From FF11.doc)				
4 5	Are the MAKE/MODEL and TYPE fields completed Are all of rest of the fields completed (illustrate		22		-
	conscious decision to show or exclude info)	1 .		<22 not scor	ed>
SE	CRVICE HISTORY Is the maint frequency once per calendar year not to exceed 15 months?	3, A	22		0
7	Are the first 6 fields completed		22	_	
8	If REPAIRS were required, is ACTION shown and Repair & Review signed off?		22	-	
	SUMMARY		67	0	0

- 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		

Date: 5/28/02

VALVE RECORD AUDIT SHEET

Station Valves Binder LRCV 328 373 Kettleman Intertie

		note		DEFICIE	NCY TYPE
		key	OK	MINOR	SIGNIFICANT
VA	ALVE 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		\circ		
	accessible.		1		
		,			_
VA	ALVE 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		
	,	•			_
6.	DAY OF THE TOP I				
	RVICE 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

- 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

VALVE RECORD AUDIT SHEET

Line 306

Date: 5/28/02

		note		DEFICIE	ENCY TYPE
		key	OK	MINOR	SIGNIFICANT
VA	ALVE 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		\bigcirc		
	accessible.		1		
					_
VA	ALVE DATA (From FF11.doc)				
4	Are the MAKE/MODEL and TYPE fields completed		16		
5	Are all of rest of the fields completed (illustrate				_
	conscious decision to show or exclude info)	1	16		
	,				_
SE	RVICE HISTORY				
6	Is the maint frequency once per calendar year not to				
	exceed 15 months?		16	_	
7	Are the first 6 fields completed		16		
8	If REPAIRS were required, is ACTION shown and			-	
	Repair & Review signed off?			_	
				=	
	SUMMARY	,	65	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. Ideally would like the model number too....not scored.

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

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

PLS 4 A/B

		note		DEFICIE	NCY TYPE
ΑI	MINISTRATIVE INFORMATION	key	OK	MINOR	SIGNIFICANT
1 2	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=""></not>	> -
Qτ	JALITY OF MAINTENANCE				
3	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		1 		_
5	Maintenance activities are performed on schedule		7		
5	Form was reviewed and initialed by management				
7	Vault Inspections have been completed and signed off				-
,	on schedule	2	1		
8	O&MI log has been reviewed and signed off on	_			
	schedule. (for facilities with O&MIs)		1		
9	Operating Diag on file w/current MAOP/MOP		1		
10	PCV setpoints and control points are consistent with				-
	OpDiag MAOP/MOP		11		
	SUMMARY		29	0	0
12 13 14	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	5 7	6		<u>-</u> -
15	Is there a relief valve list? Should note all reliefs, &				
16	whether they are package reliefs. Relief valve calculations are available (excl. pkg reliefs)	A	YES (NO)		
17	Relief valve calculations have been verified and signed	4			
	off on schedule. Is form filled in properly (relies correctly on previous year data)?				-
	All relief maintenance performed on scheduled		6		
20	Actual relief set-points are in agreement with	6			
	calculations (Can not be higher!)		6		
	SUMMARY		25	0	1 0
	SUMMANI		1 43	, 0	

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)

Note: Also complete a valve record audit for this station

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.

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

PLS 5A/B

		note		DEFICIE	NCY TYPE
AΓ	DMINISTRATIVE INFORMATION	key	OK	MINOR	SIGNIFICAN
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				
2	to support maintenance.	1		<not scored=""></not>	> -
2	All major categories on form addressed				-
Qι	JALITY 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 SUMMARY		6 29	0	0
	<u>RELIEF VALVES</u>				
11	Is the most recent version of the relief valve				
	maintenance form being used				-
	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				-
14	Calculations match	2	4		
15	Is there a relief valve list? Should note all reliefs, &		<u></u>	-	
	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	5		•	
	off on schedule.	3			_
18	Is form filled in properly (relies correctly on previous	6			-
	year data)?	U		-	
19	All relief maintenance performed on scheduled	7	4	_	
20	Actual relief set-points are in agreement with	8			
	calculations (Can not be higher!)	Ü	4	-	
	SUMMARY		16	0	0
	Note: Also complete a valve record audit for this station		10	<u> </u>	

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:

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

LRCV 237 A/B

Date: 5/28/02

	note		DEFICI	ENCY TYPE
ADMINISTRATIVE INFORMATION	key	OK	MINOR	SIGNIFICAN
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<="" td=""><td>_</td></not>	_
2 All major categories on form addressed	1		That scared	_
. An major categories on form addressed				_
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?		1		_
Maintenance activities are initialed and dated		1	_	
Maintenance activities are performed on schedule		1	_	
Form was reviewed and initialed by management		1		
7 Vault Inspections have been completed and signed off				
on schedule			_	
3 O&MI log has been reviewed and signed off on				
schedule. (for facilities with O&MIs)			_	
Operating Diag on file w/current MAOP/MOP				_
0 PCV setpoints and control points are consistent with				
OpDiag MAOP/MOP SUMMARY		4	1 0	Τ ο
SUMMARI		4	0	0
DELIEF VALVES				
RELIEF VALVES 11 Is the most recent version of the relief valve				
maintenance form being used		n/a		
12 Is the information on the top of the form complete?				_
3 Is the Package Relief form used when appropriate				_
(FH70)				
4 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		
6 Relief valve calculations are available (excl. pkg				
7 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			_	
20 Actual relief set-points are in agreement with calculations (Can not be higher!)				
calculations (Call not be inglier:)			-	
SUMMARY		0	0	0
Note: Also complete a valve record audit for this			•	•
<u> </u>				
JNRESOLVED ITEMS				

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

Bakersfield Tap

		note		DEFICIE	NCY TYPE
	OMINISTRATIVE INFORMATION	key	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	1		<u at="" seemed<="" td=""><td></td></u>	
2	to support maintenance.	1		<not scored<="" td=""><td>-</td></not>	-
۷	All major categories on form addressed				_
QU	JALITY 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?		<u> </u>		_
4 -	Maintenance activities are initialed and dated		1	•	
5	Maintenance activities are performed on schedule		1	•	
5	Form was reviewed and initialed by management		1		_
7	Vault Inspections have been completed and signed off				
0	on schedule				
8	O&MI log has been reviewed and signed off on				
9	schedule. (for facilities with O&MIs) Operating Diag on file w/current MAOP/MOP	2	1	•	
	PCV setpoints and control points are consistent with	2			_
	OpDiag MAOP/MOP				
	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?				_
	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, &				
16	whether they are package reliefs.		YES (NO)		
	Relief valve calculations are available (excl. pkg reliefs)			•	
1 /	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!)				
	CLIMATA DAY				1 0
	SUMMARY		0	0	0
	Note: Also complete a <u>valve record audit</u> for this station				
	SOLVED ITEMS				
2 -	Add MAOPs to Op Diag, and/or get the current OpDiag	into the	file.		
	IRESOLVED ITEMS Note explains that station data is found on equipment our	da eur	antly bains	mplated N	o deto is
	Note explains that station data is found on equipment car en for the note, or expected completion - add this info to			mpietea. N	o date 18
J- *	and the total state of the stat				

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

Buttonwillow Intertie

		note		DEFICIE	NCY TYPE
ΑĽ	OMINISTRATIVE INFORMATION	key	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	1		~ 44 >	
2	to support maintenance. All major categories on form addressed	1 .		<not scored=""></not>	-
2	An major categories on form addressed				-
Qι	JALITY OF MAINTENANCE				
	GENERAL ITEMS (Sta Maint Forms)				
3	Is the correct version of the CGT Station Maintenance				
	Report or Regulator Maintenance Form (RMF) being				
4	used?		1		-
4	Maintenance activities are initialed and dated	4 .	1		
5	Maintenance activities are performed on schedule	4 .	1	ı	
6	Form was reviewed and initialed by management		n/a		-
7	Vault Inspections have been completed and signed off				
8	on schedule O&MI log has been reviewed and signed off on			•	
0	schedule. (for facilities with O&MIs)	2	1		
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
	RELIEF VALVES				
11	Is the most recent version of the relief valve	5			
	maintenance form being used	,	2		_
	Is the information on the top of the form complete?				_
13	Is the Package Relief form used when appropriate				
14	(FH70) Equipment number on the maintenance form and RV				-
17	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	$_{2}$		
17	Relief valve calculations have been verified and signed				
	off on schedule.				_
18	Is form filled in properly (relies correctly on previous				
	year data)?				
	All relief maintenance performed on schedule	3			
20	Actual relief set-points are in agreement with	A	2		
	calculations (Can not be higher!)				
	CTIN EN EA TON			_	

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
- 5 Relief Valve Record should be added to file for each PRV.

Note: Also complete a valve record audit for this station

- 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.

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

Coalinga Prison

		note	[DEFICII	ENCY TYPE
AΓ	MINISTRATIVE INFORMATION	key	OK	MINOR	SIGNIFICAN'
2	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<="" td=""><td><u>></u></td></not>	<u>></u>
QŪ	JALITY OF MAINTENANCE				
3	GENERAL ITEMS (Sta Maint Forms) 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		3	_	
5	Maintenance activities are performed on schedule	2	1	_	
6 7	Form was reviewed and initialed by management Vault Inspections have been completed and signed off on schedule		1		_
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		1	-	
10	PCV setpoints and control points are consistent with OpDiag MAOP/MOP		3		_
	SUMMARY		10	0	0
	RELIEF VALVES				
11	Is the most recent version of the relief valve maintenance form being used				
	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.		YES (NO)	-	
16	Relief valve calculations are available (excl. pkg		\bigcirc		
17	Relief valve calculations have been verified and signed off on schedule.			-	
18	Is form filled in properly (relies correctly on previous year data)?				_
	All relief maintenance performed on scheduled			-	
20	Actual relief set-points are in agreement with calculations (Can not be higher!)			-	
			·		
	SUMMARY Note: Also complete a <u>valve record audit</u> for this	•	0	0	0

- 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 10/11/00 last done New records are now set up correctly in the files for the new equipment now in service. Equipment has also now been added to PLM.

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

Estrella River PLS

		note	1	DEFICIEN	ICY TYPE
Αľ	DMINISTRATIVE INFORMATION	key	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=""></not>	
2	All major categories on form addressed				•
ΩI	JALITY OF MAINTENANCE				
Ų	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		12	•	
5	Maintenance activities are performed on schedule		12	-	
6 7	Form was reviewed and initialed by management Vault Inspections have been completed and signed off		1		
,	on schedule				
8	O&MI log has been reviewed and signed off on			•	
	schedule. (for facilities with O&MIs)	_	1	-	
9	Operating Diag on file w/current MAOP/MOP PCV setpoints and control points are consistent with	2	1		
10	OpDiag MAOP/MOP				
	SUMMARY		28	0	0
	RELIEF VALVES				
11	Is the most recent version of the relief valve				
	maintenance form being used				_
	Is the information on the top of the form complete?				•
13	Is the Package Relief form used when appropriate (FH70)	3			
14	Equipment number on the maintenance form and RV				
	Calculations match	А		2 not scored	>
15	Is there a relief valve list? Should note all reliefs, &				
16	whether they are package reliefs. Relief valve calculations are available (excl. pkg		YES (NO)		
	Relief valve calculations are available (excl. pkg Relief valve calculations have been verified and signed			-	
- /	off on schedule.				
18	Is form filled in properly (relies correctly on previous				•
10	year data)?			-	
	All relief maintenance performed on scheduled Actual relief set-points are in agreement with		4	-	
20	calculations (Can not be higher!)				
				•	
	SUMMARY		4	0	0
	Note: Also complete a <u>valve record audit</u> for this				
FO	OTNOTES				
	SOLVED ITEMS				
3 -	Start using Package Relief Valve Record				
IIN	IRESOLVED ITEMS				
	Note explains that station data is found on equipment car	rds curi	ently being c	ompleted. N	o date is

binder. Resolve.

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

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

Helm Tap

		note		DEFICIEN	ICY TYPE
\ D	MINISTRATIVE INFORMATION	key	OK	MINOR	SIGNIFICANT
l	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			15	
,	found to support maintenance. All major categories on form addressed	1		<not scored=""></not>	•
2	All major categories on form addressed				i
ы	JALITY OF MAINTENANCE				
Ą.	GENERAL ITEMS (Sta Maint Forms)				
3	Is the correct version of the CGT Station Maintenance				
	Report or Regulator Maintenance Form (RMF) being				
	used?		1		
ļ	Maintenance activities are initialed and dated		12	_	
5	Maintenance activities are performed on schedule		12	_	
Ó	Form was reviewed and initialed by management		1		
7	Vault Inspections have been completed and signed off				
	on schedule			_	
3	O&MI log has been reviewed and signed off on				
)	schedule. (for facilities with O&MIs) Operating Diag on file w/current MAOP/MOP		1	-	
0	PCV setpoints and control points are consistent with				•
	OpDiag MAOP/MOP		4		
	SUMMARY		32	0	0
1	RELIEF VALVES Is the most recent version of the relief valve				
L	maintenance form being used	2, A	4		
2	Is the information on the top of the form complete?				•
	Is the Package Relief form used when appropriate		-		•
	(FH70)				
4	Equipment number on the maintenance form and RV	6			
	Calculations match		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		
	Relief valve calculations have been verified and signed			-	
. ,	off on schedule.	3	1		
8	Is form filled in properly (relies correctly on previous	4			•
	year data)?	4		_	
	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				
	OTNOTES SOLVED ITEMS				1
	SOLVED ITEMS Begin using the Relief Valve Record form.				
	Signoff panded for DDV 2 A				

- 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.

- 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.

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

Kern River Station

		note		DEFICIE	NCY TYPE
ΑĽ	OMINISTRATIVE INFORMATION	key	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<="" td=""><td>> -</td></not>	> -
2	All major categories on form addressed				-
Qτ	JALITY 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		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)	3	1		
9	Operating Diag on file w/current MAOP/MOP	4	1	_'	
10	PCV setpoints and control points are consistent with				
	OpDiag MAOP/MOP				
	SUMMARY		5	0	0
	RELIEF VALVES				
11	Is the most recent version of the relief valve	_			
	maintenance form being used	2	1		
12	Is the information on the top of the form complete?				-
	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		1	-	
17	Relief valve calculations have been verified and signed				
	off on schedule.		1		_
18	Is form filled in properly (relies correctly on previous				
	year data)?				
	All relief maintenance performed on scheduled	2, A		1 not scored	<u> </u>
20	Actual relief set-points are in agreement with	2			
	calculations (Can not be higher!)			-	
	SUMMARY		3	0	0
	Note: Also complete a valve record audit for this			•	•
	<u> </u>				
	SOLVED ITEMS 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. Calcs were reviewed 12/1/00. When would maint normally be done? Check PLM and set up new Relief Valve Record.

- 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.

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

Morro Bay Primary

		note		DEFICIE	NCY TYPE
ΑI	DMINISTRATIVE INFORMATION	key	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=""></not>	
2	All major categories on form addressed				_
QU	UALITY 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		26		
5	Maintenance activities are performed on schedule		26		
6	Form was reviewed and initialed by management				
7	Vault Inspections have been completed and signed off				•
	on schedule		1		
8	O&MI log has been reviewed and signed off on				
	schedule. (for facilities with O&MIs)		1		
9	Operating Diag on file w/current MAOP/MOP		1		_
10	PCV setpoints and control points are consistent with				
	OpDiag MAOP/MOP		6		
	SUMMARY		62	0	0
	<u>RELIEF VALVES</u>				
11	Is the most recent version of the relief valve	2	_		
	maintenance form being used		1		-
	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	5	10		
15	Is there a relief valve list? Should note all reliefs, &		10		
13	whether they are package reliefs.		YES (NO)		
16	Relief valve calculations are available (excl. pkg				
	,		10		
17	Relief valve calculations have been verified and signed off on schedule.	3	10		
1 2	Is form filled in properly (relies correctly on previous				•
10	year data)?		10		
19	All relief maintenance performed on scheduled	6	10		
	Actual relief set-points are in agreement with	U	10		
20	calculations (Can not be higher!)	A		</td <td>4 not scored></td>	4 not scored>
	5 /				
	SUMMARY		51	0	0
	Note: Also complete a valve record audit for this				
_					
	SOLVED ITEMS				
	Use Relief Valve Record (form) from now on.				
	still need the district superintendent sign off for 2001 it is recommended that valve numbers be added to the cal	lanlatic	an marriage also	ata	
	Valve numbers are not consistent (see pg 2 for this sta)	cuiatio	ni ieview siie	71S.	
	calculations are in file for 12 relief valves, yet maintenan-	ce reco	ords only exist	t for 10.(see 1	og 2 for this
) Subsequently explained that the station only has 10 relies				
	Valves 1B, 2B, 3B, 4B have calculations that recommend				associated
	sulators so that relief valve capacity will be sufficient. No	notes	are in file that	indicate who	ether this has
yet	been done.				

UNRESOLVED ITEMS

needs to change, and revise the records accordingly.

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.

to resolve whether calcs or maint

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

Morro Bay Intertie

		note		DEFICIE	NCY TYPE
ΑI	OMINISTRATIVE INFORMATION	key	OK	MINOR	SIGNIFICAN
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	1		ts	
2	to support maintenance.	1		<not scored=""></not>	<u>-</u>
2	All major categories on form addressed				-
QU	UALITY 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		5		_
5	Maintenance activities are performed on schedule		1	_	
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)		1		
9	Operating Diag on file w/current MAOP/MOP	2			_
10	PCV setpoints and control points are consistent with				
	OpDiag MAOP/MOP SUMMARY		8	0	0
	SUMMARI		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, &			•	
13	whether they are package reliefs.		YES (NO)		
16	Relief valve calculations are available (excl. pkg reliefs)		4		
	Relief valve calculations have been verified and signed			•	
	off on schedule.		1		
18	Is form filled in properly (relies correctly on previous	2			-
	year data)?	3		_	
	All relief maintenance performed on scheduled		4		
20	Actual relief set-points are in agreement with			•	
	calculations (Can not be higher!)		4	•	
	STIMM A D.V.		12	Λ .	
	SUMMARY Note: Also complete a valve record audit for this station		13	0	0
	Note. Also complete a <u>valve record addit</u> for this station				
	SOLVED ITEMS				
	Q4 should be "no".	1 . 6 41.	9)		
4 -	relief valves still in service without adequate capacity (all	oi thei	m /)		
ΙUΝ	VRESOLVED 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#)

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

Panoche Station

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 GENERAL TIEMS (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 9 Operating Diag on file w/current MAOP/MOP 9 Operating Diag on file w/current MAOP/MOP SUMMARY 67 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)? 9 All relief maintenance performed on scheduled 10 Actual relief set-points are in agreement with		note		DEFICIE	NCY TYPE
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 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. (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 67 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	ADMINISTRATIVE INFORMATION	key	OK	MINOR	SIGNIFICANT
Included in inventory / equipment-specific info is found to support maintenance. 2 All major categories on form addressed QUALITY OF MAINTENANCE GENERAL ITEMS (Sta Main 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. (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 67 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)? 9 All relief maintenance performed on scheduled 10 Actual relief set-points are in agreement with					•
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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		6	11		
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	17 Relief valve calculations have been verified and signed	_		-	
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19 All relief maintenance performed on scheduled 20 Actual relief set-points are in agreement with	18 Is form filled in properly (relies correctly on previous				_
20 Actual relief set-points are in agreement with	year data)?			_	
- 6 Δ			11		
calculations (Can not be higher!) <2 not see		6 A		-	
	calculations (Can not be higher!)	0, 11		-	2 not scored>
SUMMADY 22 0 0	CHIN ST S A TONY			1 0	Τ ^

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

Note: Also complete a valve record audit for this station

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#

- 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.

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

Spreckels

		note		DEFICIE	NCY TYPE
AΓ	MINISTRATIVE INFORMATION	key	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=""></not>	-
2	All major categories on form addressed				_
QΙ	JALITY 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		12		-
5	Maintenance activities are performed on schedule		12	•	
6	-	2	12	•	
7	Form was reviewed and initialed by management	2			-
/	Vault Inspections have been completed and signed off on schedule				
8	O&MI log has been reviewed and signed off on				
o	schedule. (for facilities with O&MIs)	2			
9	Operating Diag on file w/current MAOP/MOP	2	1		
	PCV setpoints and control points are consistent with				=
10	OpDiag MAOP/MOP		4		
	SUMMARY		30	0	0
				_	
	<u>RELIEF VALVES</u>				
11	Is the most recent version of the relief valve	3	_		
	maintenance form being used		1		_
	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	5	0		
1.5	Calculations match		8		-
13	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		1E3/NO		
1/	Relief valve calculations have been verified and signed				
10	off on schedule.				-
18	Is form filled in properly (relies correctly on previous				
10	year data)?		8		
	All relief maintenance performed on scheduled			•	
20	Actual relief set-points are in agreement with	6	8		
	calculations (Can not be higher!)		8		
	SUMMARY		25	0	0
			20		

RESOLVED ITEMS

2 - 2001 work is due late October. Only 2000 records in file.

Note: Also complete a valve record audit for this

- 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.

GSMandTS CORROSION CONTROL RECORD AUDIT SHEET

Line 2

		note		DEFICIE	NCY TYPE		
		key	OK	MINOR	SIGNIFICANT		
ΑĽ	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		_		
0.1	VALUETY OF OR RAMA						
_	JALITY OF CP DATA						
6	Are the Rectifier Reads performed on schedule? (two		2				
_	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 8a	Are there comments on deficiencies encountered Deficiencies: P/S>[850]mv or <100mv shift; C/S<[800]mv or <100 or P/S	,	2				
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		45	0	0		
	Not Included in Score for 2001 - Basis for prospective performance improvement						
9	Are the reads NEGATIVE sign? (accurate - to support	1					
	database exception management process)	-			_		
FOOTNOTES							
1	- Reads are negative everywhere, which avoids useless pa	radigm	exception re	porting. GO	OD!		
	•	-		-			

CORROSION CONTROL RECORD AUDIT SHEET

L 190

		note]	DEFICIENCY TYPE	
		key	OK	MINOR	SIGNIFICANT
ΑI	DMINISTRATIVE 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		_
QU	JALITY 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		10		
	calendar year not to exceed 15 months)		18	_	
8	Are there comments on deficiencies encountered			_	
8a	Deficiencies: $P/S > [850]$ mv or < 100 mv 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	1		1 110 50010	
	state scope and schedule for correction(s)?				
	same scope and sometime for contents.			-	
	SUMMARY		27	0	0
No	t Included in Score for 2001 - Basis for prospective perfo	rmanc	e improveme	nt	•
9	Are the reads NEGATIVE sign? (accurate - to support	4	_		
	database exception management process)	4	18		_
R	ESOLVED ITEMS				
	- 10.24, no comment on out of spec reading				
	- 11.96/11.97, no comment on shorted casing. No action		ote in paradig	gm. Action p	lan was
			a avaantian m	norting CO	
fo 3	- 11.96/11.97, no comment on snorted casing. No action und. Need to refer to it in paradigm and add to the folder - no comment in paradigm on P/S reading at 13.1 out of s - Reads are negative everywhere, which avoids useless page 11.96/11.97, no action under the second section of the second section in the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section of the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a section section in the second section in the section is a section section in the section in the section is a section in the section in the section in the section is a section in the section in the section in the section in the section is a section in the section in the section in the section is section in the section in the section in the section in the section is a section in the	pec.		•	

UNRESOLVED ITEMS

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

CORROSION CONTROL RECORD AUDIT SHEET

L 300A

		note		DEFICIENCY TYPE			
		key	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	2	19	0	<u> </u>		
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		_		
QU	JALITY 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 8a	Are there comments on deficiencies encountered Deficiencies: P/S>[850]mv or <100mv shift; C/S<[800]mv or <100 or P/S		6				
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)?	1	5				
	SUMMARY		258	0	0		
No	t Included in Score for 2001 - Basis for prospective perfo	rmance	e improvemen	t			
9	Are the reads NEGATIVE sign? (accurate - to support database exception management process)	4	18		_		

- 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.

CORROSION CONTROL RECORD AUDIT SHEET

L 300B

note **DEFICIENCY TYPE** OK MINOR SIGNIFICANT key ADMINISTRATIVE INFORMATION 1 Is the map depicting the system, and has rectifiers shown on it, in the folder (OpMap typ) 3 Are all of the CP Station Reports in the folder 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 5 folder (print out and compare) 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 Are there comments on deficiencies encountered 3 8a Deficiencies: P/S>[850]mv or <100mv shift; C/S<[800]mv or <100 or 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)? 4 222 0 0 **SUMMARY** Not Included in Score for 2001 - Basis for prospective performance improvement 9 Are the reads NEGATIVE sign? (accurate - to support database exception management process)

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		DEFICI	ENCY TYPE
		key	OK	MINOR	SIGNIFICANT
Αľ	OMINISTRATIVE 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		_
	VALVENIA OF OR DATE				
	JALITY 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				
0	calendar year not to exceed 15 months)		74		
8	Are there comments on deficiencies encountered				
8a	Deficiencies: $P/S > [850]$ mv or < 100 mv 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
No	t Included in Score for 2001 - Basis for prospective perfe	orman	ce improveme	nt	

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.

3

- 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!

Are the reads NEGATIVE sign? (accurate - to support

database exception management process)

GSMandTS CORROSION CONTROL RECORD AUDIT SHEET

L 401

		note		DEFICIE	ENCY TYPE	
		key	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		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		_	
QI	UALITY 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 < 100 mv 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	
	Not Included in Score for 2001 - Basis for prospective performance improvement					
9	Are the reads NEGATIVE sign? (accurate - to support	1				
database exception management process)						
FOOTNOTES						
1	- Reads are negative everywhere, which avoids useless pa	radign	n exception re	porting. GO	OOD!	