

3501 North Causeway Boulevard • Suite 200 • Metairie, Louisiana 70002 • (504) 831-6700

May 5, 1988

Mr. H. Steven Livesay, Chairman  
Combustion, Inc. Technical Committee  
c/o Ethyl Corporation  
451 Florida Blvd.  
Baton Rouge, LA 70801

W.O.# 85-04

RE: April Site Monitoring Report  
Combustion, Inc.

Dear Mr. Livesay:

The purpose of this letter is to provide a brief update on activities at the Combustion, Inc. site for the month of April 1988.

Weekly site inspection reports for April 1988 are provided in Attachment 1. Followup on items noted in the inspections and other activities are highlighted below:

- o Due to heavy rains in late March, the stormwater in Tank No. 1 again reached a level within several feet of the top of the tank. In order to make room in the tank, the caretaker transferred stormwater from Tank No. 1 to Pond C April 1-2 and again April 4-7.
- o A new weatherproof floodlight was installed in the pumphouse by the caretaker to improve visibility when pumping stormwater at night.
- o The monthly Pond N outfall sample was collected on April 14. We will send you the analytical results when available.
- o Two drums in a paved area within the Process Area have developed minor leaks. The drums appear to contain highly viscous materials; with the recent warm weather, the drum contents swell and a small amount overflows down the side of each drum. We plan to provide a new drum at the site and periodically shovel up the material from the pavement and place it in the new drum.

Houston Office: 16000 Memorial Drive • Suite 200 • Houston, Texas 77079-4006 • (713) 496-9600

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**ERM-Southwest, inc.**

Mr. H. Steven Livesay, Chairman  
Combustion, Inc. Technical Committee  
May 5, 1988  
Page 2

- o Between 1030 on April 14 and 1615 on April 15, and again between 1615 on April 25 and 1230 on April 26, unknown person(s) entered the Process Area (apparently with a key) and adjusted one or two of the valves. There was no apparent discharge nor signs of vandalism or any other activity at either time.
- o Due to the extended period of dry weather, the flow rate from Pond N was low most of the month and actually stopped altogether on April 18. There is no indication of blockage; pond levels are low due to lack of rain.

If you have any questions on this report, or if you need additional information, please call us.

Sincerely,

ERM-SOUTHWEST, INC.



Nicholas W. Hollingshad, P.E.



Michael E. Pisani, P.E.  
Principal

NWH/MEP:deb

cc: Combustion, Inc. Technical Committee

Ms. Carol Murin  
Mr. Frank Dezzutto  
Mr. Terry Leonard  
Mr. Ralph Feeney

ATTACHMENT 1  
WEEKLY INSPECTION FORMS  
APRIL 1988

COMBUSTION, INC. SITE WEEKLY INSPECTION FORM

Date: 4-3-88 Time: 0700 Inspector: Orville Harris

Weather Conditions: Warm - ca. 68°F, Cloudy, light breeze, rain in forecast

PROCESS AREA INSPECTION

SITE SECURITY

1. The gate to the Process Area should be closed, locked, secure and undamaged, and show no sign of unauthorized entry.

OK  See Notes, p. 2 of 4

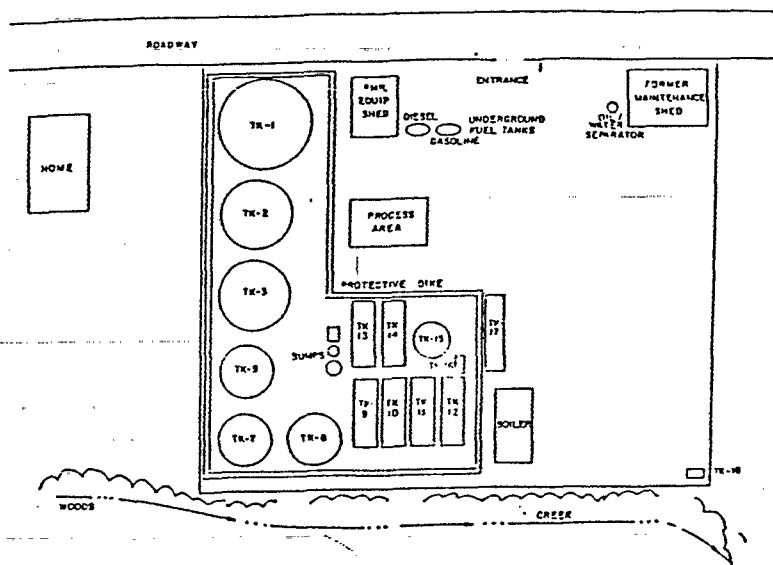
2. Walk the entire fenceline, inspect fence for damage or signs of unauthorized entry.

OK  See Notes, p. 2 of 4

ONSITE AREAS

3. Inspect each tank for signs of leakage.

Tank	Leaking?		(See Notes, p. 2 of 4)
	No	Yes	
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
14	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
16	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
17	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	



COMBUSTION, INC. SITE WEEKLY INSPECTION FORM

4. Inspect concrete containment area around tanks for cracks or other deterioration.

OK  See Note Below

5. Inspect each drum for leaks.  OK  See Note Below  
(give color, location, markings, etc. to identify leaking drum(s)).

6. Inspect ground inside fence for stains, trash, etc.

OK  See Note Below

7. Describe any unusual odors, where observed, and wind direction.

OFFSITE AREAS

8. Inspect drainage ditches north and south of Process Area for oil sheens, vegetation damage, or indication of potential release from the site.

North Ditch  OK  See Note Below

South Ditch  OK  See Note Below

NOTES ON PROCESS AREA INSPECTION

Explain any detected damage/problems/potential releases noted above.

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COMBUSTION, INC. SITE WEEKLY INSPECTION FORM

POND AREA INSPECTION

SITE SECURITY

9. The gate to the Pond Area should be closed, locked, secure and undamaged, and show no sign of unauthorized entry.

OK  See Notes, p. 4 of 4

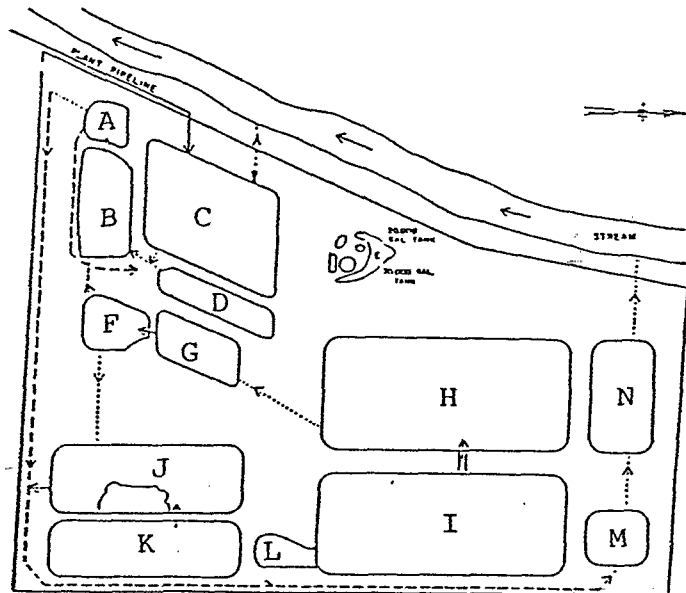
10. Walk the entire fenceline, inspect fence for damage or signs of unauthorized entry.

OK  See Notes, p. 4 of 4

ONSITE AREAS

11. Inspect each Pond for signs of overflows, blockage of inlet or outlet pipes/ditches (where visible), weakness or failure of dike, significant change in pond level, etc.

Pond	OK	See Notes p. 4 of 4
A	<input checked="" type="checkbox"/>	
B	<input checked="" type="checkbox"/>	
C	<input checked="" type="checkbox"/>	
D	<input checked="" type="checkbox"/>	
E	<input checked="" type="checkbox"/>	
F	<input checked="" type="checkbox"/>	
G	<input checked="" type="checkbox"/>	
H	<input checked="" type="checkbox"/>	
I	<input checked="" type="checkbox"/>	
J	<input checked="" type="checkbox"/>	
K	<input checked="" type="checkbox"/>	
L	<input checked="" type="checkbox"/>	
M	<input checked="" type="checkbox"/>	
N	<input checked="" type="checkbox"/>	



12. Inspect ground inside fence for stains, trash, etc.

OK  See Notes, p. 4 of 4

13. Inspect monitor wells. Protective casings should be closed and locked, and concrete pad should be in place and uncracked.

OK  See Notes, p. 4 of 4

COMBUSTION, INC. SITE WEEKLY INSPECTION FORM

Page 4 of 4

14. Describe any unusual odors, where observed, and wind direction.

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OFFSITE AREAS

15. Inspect stream west of Pond Area for oil sheens, vegetation, drainage, trash, or indication of potential release from the site. Check from upstream of the Pond N discharge to the area where the stream goes under Dubose Road (south of the Pond Area entrance).

OK       See Notes Below

NOTES

Explain any detected damage/problems/potential releases noted above.

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Mail completed form to: Nicholas W. Hollingshad, P.E.  
ERM-Southwest, Inc.  
3501 N. Causeway Boulevard  
Suite 200  
Metairie, LA 70002

COMBUSTION, INC. SITE WEEKLY INSPECTION FORM

Date: 4-10-88 Time: 0700 Inspector: Carroll Harris

Weather Conditions: 12.0% Cloudy, Calm, Temp 56-58°F

PROCESS AREA INSPECTION

SITE SECURITY

1. The gate to the Process Area should be closed, locked, secure and undamaged, and show no sign of unauthorized entry.

✓ OK See Notes, p. 2 of 4

2. Walk the entire fenceline, inspect fence for damage or signs of unauthorized entry.

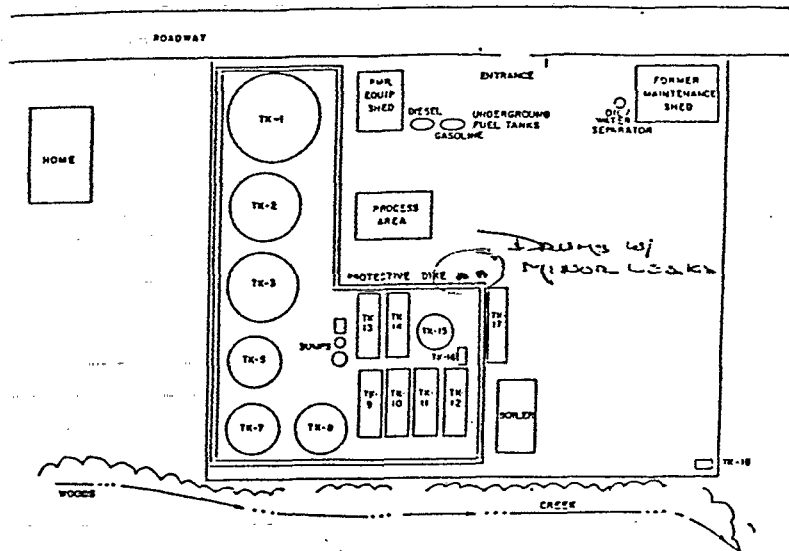
✓ OK See Notes, p. 2 of 4

ONSITE AREAS

3. Inspect each tank for signs of leakage.

Tank Leaking?  
No Yes (See Notes, p. 2 of 4)

Tank	No	Yes
1	<u>✓</u>	
2	<u>✓</u>	
3	<u>✓</u>	
4	<u>✓</u>	
5	<u>✓</u>	
6	<u>✓</u>	
7	<u>✓</u>	
8	<u>✓</u>	
9	<u>✓</u>	
10	<u>✓</u>	
11	<u>✓</u>	
12	<u>✓</u>	
13	<u>✓</u>	
14	<u>✓</u>	
15	<u>✓</u>	
16	<u>✓</u>	
17	<u>✓</u>	
18	<u>✓</u>	





COMBUSTION, INC. SITE WEEKLY INSPECTION FORM

4. Inspect concrete containment area around tanks for cracks or other deterioration.

OK  See Note Below

5. Inspect each drum for leaks.  OK  See Note Below  
(give color, location, markings, etc. to identify leaking drum(s)).

6. Inspect ground inside fence for stains, trash, etc.

OK  See Note Below

7. Describe any unusual odors, where observed, and wind direction.

OFFSITE AREAS

8. Inspect drainage ditches north and south of Process Area for oil sheens, vegetation damage, or indication of potential release from the site.

North Ditch  OK  See Note Below

South Ditch  OK  See Note Below

NOTES ON PROCESS AREA INSPECTION

Explain any detected damage/problems/potential releases noted above.

*(See process area notes) A small accumulation of heavy (clear) material around two drums identified in #1 (at date 1-10-88) on drum #18 & 21 located southeast of Detention Hall, just a short drive from east entrance. Material (not identified) appeared to have come from top of drums, some older and accumulated around bottom, extending out not over 12-14 inches. Will not flow at current ambient temperature. Higher temp. appeared to cause expansion and movement. Placed tin over top of #21 (is already covered). Can be easily detected if it becomes necessary.*

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COMBUSTION, INC. SITE WEEKLY INSPECTION FORM

POND AREA INSPECTION

SITE SECURITY

9. The gate to the Pond Area should be closed, locked, secure and undamaged, and show no sign of unauthorized entry.

OK  See Notes, p. 4 of 4

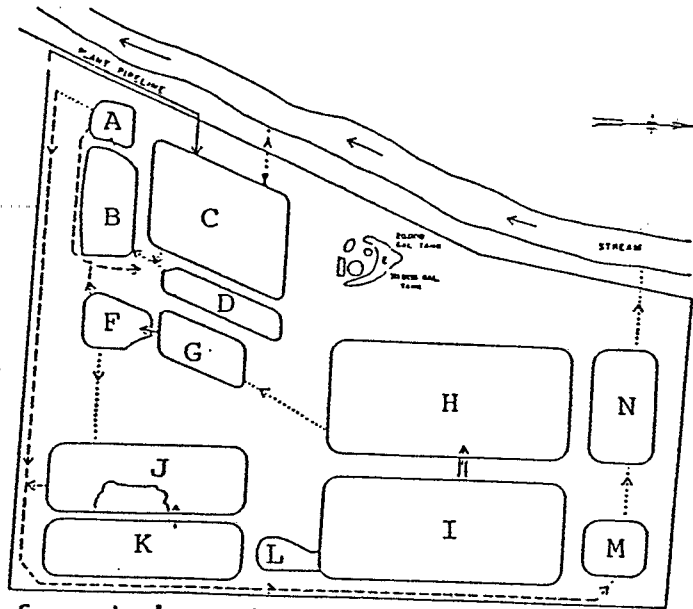
10. Walk the entire fenceline, inspect fence for damage or signs of unauthorized entry.

OK  See Notes, p. 4 of 4

ONSITE AREAS

11. Inspect each Pond for signs of overflows, blockage of inlet or outlet pipes/ditches (where visible), weakness or failure of dike, significant change in pond level, etc.

Pond	OK	See Notes p. 4 of 4
A	<input checked="" type="checkbox"/>	
B	<input checked="" type="checkbox"/>	
C	<input checked="" type="checkbox"/>	
D	<input checked="" type="checkbox"/>	
E	<input checked="" type="checkbox"/>	
F	<input checked="" type="checkbox"/>	
G	<input checked="" type="checkbox"/>	
H	<input checked="" type="checkbox"/>	
I	<input checked="" type="checkbox"/>	
J	<input checked="" type="checkbox"/>	
K	<input checked="" type="checkbox"/>	
L	<input checked="" type="checkbox"/>	
M	<input checked="" type="checkbox"/>	
N	<input checked="" type="checkbox"/>	



12. Inspect ground inside fence for stains, trash, etc.

OK  See Notes, p. 4 of 4

13. Inspect monitor wells. Protective casings should be closed and locked, and concrete pad should be in place and uncracked.

OK  See Notes, p. 4 of 4

COMBUSTION, INC. SITE WEEKLY INSPECTION FORM

14. Describe any unusual odors, where observed, and wind direction.

*None*

OFFSITE AREAS

15. Inspect stream west of Pond Area for oil sheens, vegetation, drainage, trash, or indication of potential release from the site. Check from upstream of the Pond N discharge to the area where the stream goes under Dubose Road (south of the Pond Area entrance).

OK       See Notes Below

NOTES

Explain any detected damage/problems/potential releases noted above.

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Mail completed form to: Nicholas W. Hollingshad, P.E.  
ERM-Southwest, Inc.  
3501 N. Causeway Boulevard  
Suite 200  
Metairie, LA 70002

COMBUSTION, INC. SITE WEEKLY INSPECTION FORM

Date: 4-17-88 Time: 0800 Inspector: CARTER HARRIS

Weather Conditions: Warm (ca. 60°F), slight breeze, mostly cloudy, sprinkling rain

PROCESS AREA INSPECTION

SITE SECURITY

1. The gate to the Process Area should be closed, locked, secure and undamaged, and show no sign of unauthorized entry.

OK See Notes, p. 2 of 4

2. Walk the entire fenceline, inspect fence for damage or signs of unauthorized entry.

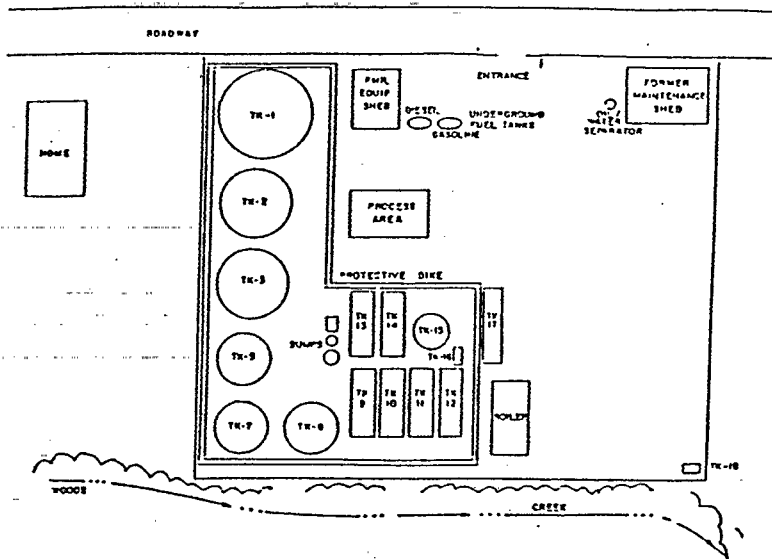
OK See Notes, p. 2 of 4

ONSITE AREAS

3. Inspect each tank for signs of leakage.

Tank Leaking?  
           No           Yes (See Notes, p. 2 of 4)

Tank	No	Yes
1	/	
2	/	
3	/	
4	/	
5	/	
6	/	
7	/	
8	/	
9	/	
10	/	
11	/	
12	/	
13	/	
14	/	
15	/	
16	/	
17	/	
18	/	



COMBUSTION, INC. SITE WEEKLY INSPECTION FORM

4. Inspect concrete containment area around tanks for cracks or other deterioration.

OK  See Note Below

5. Inspect each drum for leaks.  OK  See Note Below  
(give color, location, markings, etc. to identify leaking drum(s)).

6. Inspect ground inside fence for stains, trash, etc.

OK  See Note Below

7. Describe any unusual odors, where observed, and wind direction.

OFFSITE AREAS

8. Inspect drainage ditches north and south of Process Area for oil sheens, vegetation damage, or indication of potential release from the site.

North Ditch  OK  See Note Below

South Ditch  OK  See Note Below

NOTES ON PROCESS AREA INSPECTION

Explain any detected damage/problems/potential releases noted above.

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COMBUSTION, INC. SITE WEEKLY INSPECTION FORM

POND AREA INSPECTION

SITE SECURITY

9. The gate to the Pond Area should be closed, locked, secure and undamaged, and show no sign of unauthorized entry.

OK  See Notes, p. 4 of 4

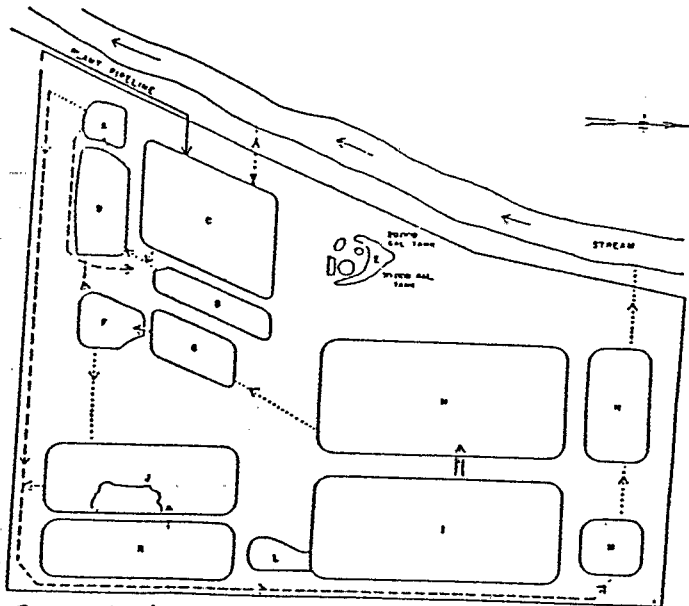
10. Walk the entire fenceline, inspect fence for damage or signs of unauthorized entry.

OK  See Notes, p. 4 of 4

ONSITE AREAS

11. Inspect each Pond for signs of overflows, blockage of inlet or outlet pipes/ditches (where visible), weakness or failure of dike, significant change in pond level, etc.

Pond	OK	See Notes p. 4 of 4
A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
B	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C	<input checked="" type="checkbox"/>	<input type="checkbox"/>
D	<input checked="" type="checkbox"/>	<input type="checkbox"/>
E	<input checked="" type="checkbox"/>	<input type="checkbox"/>
F	<input checked="" type="checkbox"/>	<input type="checkbox"/>
G	<input checked="" type="checkbox"/>	<input type="checkbox"/>
H	<input checked="" type="checkbox"/>	<input type="checkbox"/>
I	<input checked="" type="checkbox"/>	<input type="checkbox"/>
J	<input checked="" type="checkbox"/>	<input type="checkbox"/>
K	<input checked="" type="checkbox"/>	<input type="checkbox"/>
L	<input checked="" type="checkbox"/>	<input type="checkbox"/>
M	<input checked="" type="checkbox"/>	<input type="checkbox"/>
N	<input checked="" type="checkbox"/>	<input type="checkbox"/>



12. Inspect ground inside fence for stains, trash, etc.

OK  See Notes, p. 4 of 4

13. Inspect monitor wells. Protective casings should be closed and locked, and concrete pad should be in place and uncracked.

OK  See Notes, p. 4 of 4

COMBUSTION, INC. SITE WEEKLY INSPECTION FORM

14. Describe any unusual odors, where observed, and wind direction.

None

OFFSITE AREAS

15. Inspect stream west of Pond Area for oil sheens, vegetation, drainage, trash, or indication of potential release from the site. Check from upstream of the Pond N discharge to the area where the stream goes under Dubose Road (south of the Pond Area entrance).

OK  See Notes Below

NOTES

Explain any detected damage/problems/potential releases noted above.

Mail completed form to: Nicholas W. Hollingshad, P.E.  
ERM-Southwest, Inc.  
3501 N. Causeway Boulevard  
Suite 200  
Metairie, LA 70002

COMBUSTION, INC. SITE WEEKLY INSPECTION FORM

Date: 4-24-88 Time: 0700 Inspector: CARTER HARRIS

Weather Conditions: Clear, Temp. Ca. 60°, N.E. Breeze 5-10 MPH.

PROCESS AREA INSPECTION

SITE SECURITY

1. The gate to the Process Area should be closed, locked, secure and undamaged, and show no sign of unauthorized entry.

OK  See Notes, p. 2 of 4

2. Walk the entire fenceline, inspect fence for damage or signs of unauthorized entry.

OK  See Notes, p. 2 of 4

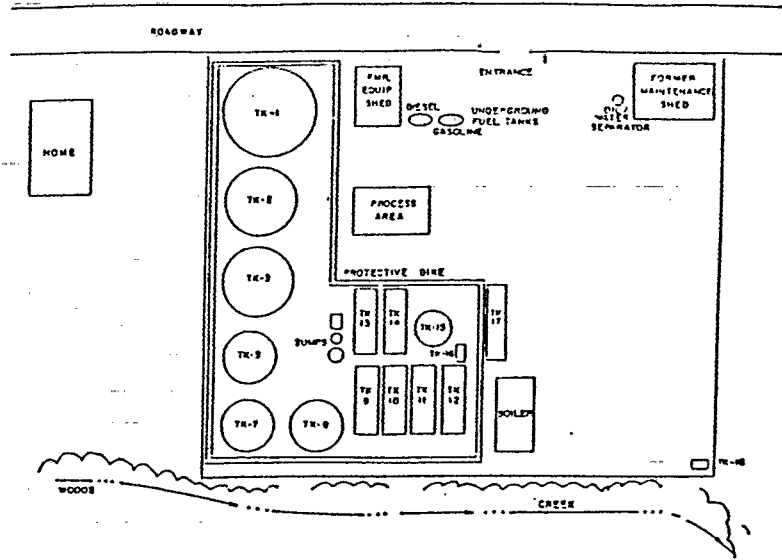
ONSITE AREAS

3. Inspect each tank for signs of leakage.

Tank	Leaking?	
	No	Yes

(See Notes, p. 2 of 4)

1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18	<input checked="" type="checkbox"/>	<input type="checkbox"/>





COMBUSTION, INC. SITE WEEKLY INSPECTION FORM

4. Inspect concrete containment area around tanks for cracks or other deterioration.

OK  See Note Below

5. Inspect each drum for leaks.  OK  See Note Below  
(give color, location, markings, etc. to identify leaking drum(s)).

6. Inspect ground inside fence for stains, trash, etc.

OK  See Note Below

7. Describe any unusual odors, where observed, and wind direction.

OFFSITE AREAS

8. Inspect drainage ditches north and south of Process Area for oil sheens, vegetation damage, or indication of potential release from the site.

North Ditch  OK  See Note Below

South Ditch  OK  See Note Below

NOTES ON PROCESS AREA INSPECTION

Explain any detected damage/problems/potential releases noted above.

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COMBUSTION, INC. SITE WEEKLY INSPECTION FORM

POND AREA INSPECTION

SITE SECURITY

9. The gate to the Pond Area should be closed, locked, secure and undamaged, and show no sign of unauthorized entry.

OK  See Notes, p. 4 of 4

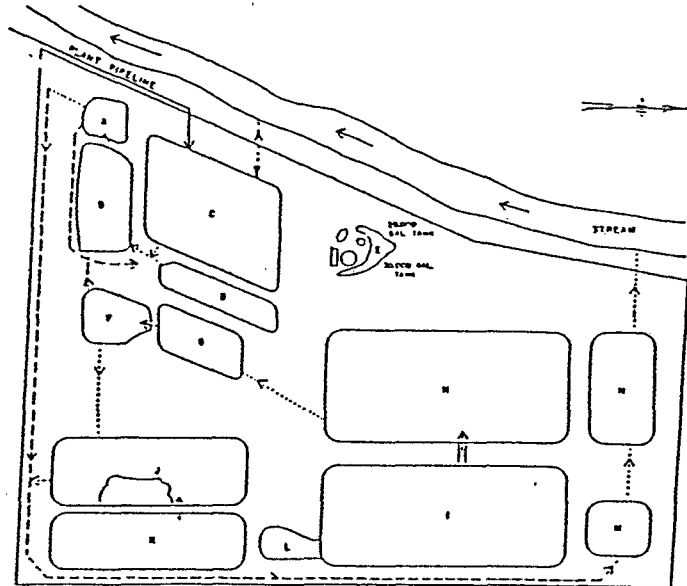
10. Walk the entire fenceline, inspect fence for damage or signs of unauthorized entry.

OK  See Notes, p. 4 of 4

ONSITE AREAS

11. Inspect each Pond, for signs of overflows, blockage of inlet or outlet pipes/ditches (where visible), weakness or failure of dike, significant change in pond level, etc.

Pond	OK	See Notes p. 4 of 4
A	/	_____
B	/	_____
C	/	_____
D	/	_____
E	/	_____
F	/	_____
G	/	_____
H	/	_____
I	/	_____
J	/	_____
K	/	_____
L	/	_____
M	/	_____
N	/	_____



12. Inspect ground inside fence for stains, trash, etc.

OK  See Notes, p. 4 of 4

13. Inspect monitor wells. Protective casings should be closed and locked, and concrete pad should be in place and uncracked.

OK  See Notes, p. 4 of 4

COMBUSTION, INC. SITE WEEKLY INSPECTION FORM

14. Describe any unusual odors, where observed, and wind direction.

None  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

OFFSITE AREAS

15. Inspect stream west of Pond Area for oil sheens, vegetation, drainage, trash, or indication of potential release from the site. Check from upstream of the Pond N discharge to the area where the stream goes under Dubose Road (south of the Pond Area entrance).

OK  See Notes Below

NOTES

Explain any detected damage/problems/potential releases noted above.

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Mail completed form to: Nicholas W. Hollingshad, P.E.  
ERM-Southwest, Inc.  
3501 N. Causeway Boulevard  
Suite 200  
Metairie, LA 70002