

388SERBSF10,625

388SERBSF10,625

Site Name (Subject): STANADYNE, INC/DIESEL SYSTEMS

Site ID (Document ID): NCD084167444

Document Name (DocType): Correspondence (C)

Report Segment:

Description: General Correspondence, 1982 - 1995

Date of Document: 8/22/1995

Date Received:

Box: *Enter SF and # with no spaces* SF10,625

Access Level: PUBLIC

Division: WASTE MANAGEMENT

Section: SUPERFUND

Program (Document Group): SERB (SERB)

Document Category: FACILITY

Print Report for
Record

Go to New
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record values)

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STANADYNE INC. DIESEL SYSTEMS GROUP

NCD 084 167 444

Folders

1. General Correspondence file, 1982—1995

Bound Reports

1. (FIT Report) Final Report—Screening Site Inspection, Phase II, Revision 0: February 1991



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STANADYNE INC DIESEL SYSTEMS GROUP

Site Information

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Site Name: STANADYNE INC DIESEL SYSTEMS GROUP
Street: 405 WHITE ST
City / State / ZIP: JACKSONVILLE, NC 28540

NPL Status: Not on the NPL
Non-NPL Status: NFRAP

EPA ID: NCD084167444
EPA Region: 04
County: ONSLOW

Federal Facility Flag: Not a Federal Facility

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STANADYNE INC DIESEL SYSTEMS GROUP

Contacts

[Site Info](#) | [Aliases](#) | [Operable Units](#) | [Contacts](#)
[Actions](#) | [Contaminants](#) | [Site-Specific Documents](#)

Title	Name	Phone Number
Remedial Project Manager (RPM)	GIEZELLE BENNETT	(404) 562-8824
Remedial Project Manager (RPM)	JON BORNHOLM	(404) 562-8820
Remedial Project Manager (RPM)	Luis Flores	(404) 562-8807
Remedial Project Manager (RPM)	BEVERLY HUDSON	(404) 562-8816
Remedial Project Manager (RPM)	KEN LUCAS	(404) 562-8953
Remedial Project Manager (RPM)	KEN MALLARY	(404) 562-8802
Remedial Project Manager (RPM)	MICHAEL TOWNSEND	(404) 562-8813
Remedial Project Manager (RPM)	SAMANTHA URQUHART F	(404) 562-8760
Remedial Project Manager (RPM)	Phil Vorsatz	(404) 562-8789
Site Assessment Manager (SAM)	Jennifer Wendel	(404) 562-8799

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Actions

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[Actions](#) | [Contaminants](#) | [Site-Specific Documents](#)

<u>OU</u>	<u>Action Name</u>	<u>Qualifier</u>	<u>Lead</u>	<u>Actual Start</u>	<u>Actual Completion</u>
00	DISCOVERY		F		07/01/1980
00	PRELIMINARY ASSESSMENT	L	S		11/07/1987
00	SITE INSPECTION	N	F		04/16/1991
00	ARCHIVE SITE		EP		04/16/1991

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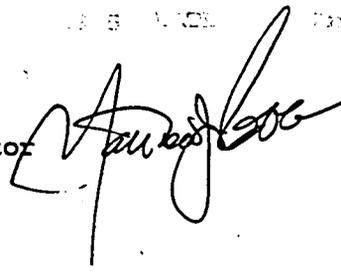
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1995 DATE: August 22, 1995

SUBJECT: REMOVAL FROM EPA'S CERCLIS INVENTORY

FROM: Matthew J. Robbins, Brownfields Coordinator
Waste Management Division, Region IV



TO: STANADYNE INC DIESEL SYSTEMS GROUP
405 WHITE ST
JACKSONVILLE
NC 28540

EPA has identified the Brownfields Initiative as one of the Agency's top priorities. The term "brownfields" refers to previously used properties that may lie vacant because potential contamination makes them unmarketable to the private sector. EPA has recently announced a comprehensive Brownfields strategy, including Pilot grants to municipalities, to stimulate economic revitalization.

One part of the strategy has been for EPA to review its complete inventory of Superfund sites. These sites have been screened and determined to require no remedial action under the Federal Superfund Program based on information available as well as on conditions and policies that currently exist. This is to notify you that EPA has removed your facility from EPA's computer inventory known as CERCLIS. THIS DOES NOT INDICATE THAT THE STATE HAS MADE A SIMILAR DETERMINATION.

If you have any questions, please call me at 404/347-5059 ext. 6214.

cc: State Agency

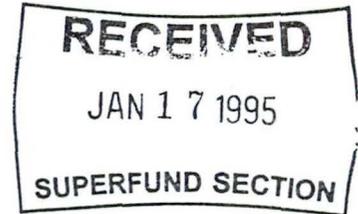


UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

JAN 12 1995



4WD-WPB

Ms. Pat DeRosa, Head
CERCLA Branch
North Carolina Department of Environment,
Health and Natural Resources
Division of Solid Waste Management
401 Oberlin Road
Raleigh, North Carolina 27605-1350

Dear Ms. DeRosa:

The following reports have recently been reviewed and accepted by EPA - Region IV Site Assessment Section:

Preliminary Assessments

Cardinal Chemical Warehouse
Robeson County
NCD 986 209 575

No Further Remedial
Action Planned (NFRAP).

New Bern Coal Gas Plant
Craven County
NCD 986 197 259

Further Action (FA).

Site Inspection Prioritizations (SIPs)

CF Industries
Hertford County
NCD 065 288 847

FA

Chemical Leaman Tank Lines
New Hanover County
NCD 062 677 273

NFRAP

Duke University Gate # 11
Durham County
NCD 000 813 519

NFRAP

Stanadyne Inc.
Beaufort County
NCD 091 567 065

NFRAP

Starling David Property
Pitt County
NCD 003 185 311

NFRAP

Ulah Battery Lead Reclaiming
Randolph County
NCD 981 864 614

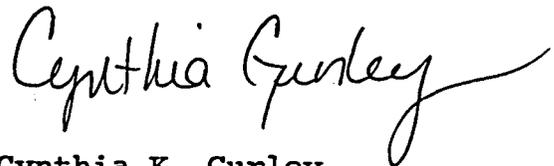
NFRAP

Enclosed please find the Remedial Site Assessment Decision Forms for each report generated by the North Carolina Superfund program and a copy of the actual report generated by the EPA Contractor.

In addition, I have enclosed a copy of the Emergency Response Kaplan Ethyl Ether Drum file.

If you have any questions concerning these site decisions, please call me at (404) 347-5059, Extension 6150.

Sincerely,



Cynthia K. Gurley
NC Project Officer

Enclosures

file



State of North Carolina
Department of Environment, Health, and Natural Resources
Division of Solid Waste Management
P.O. Box 27687 · Raleigh, North Carolina 27611-7687

James G. Martin, Governor
William W. Cobey, Jr., Secretary

William L. Meyer
Director

27 April 1990

Mr. Kenneth Lanier
Environmental Health Supervisor
Onslow County Health Department
612 College Street
Jacksonville, NC 28540

RE: Screening Site Investigation
Stanadyne Inc.
NCD 084 167 444

Dear Mr. Lanier:

David Lilley of the NC Superfund Section spoke with you today to notify you that the EPA Field Investigation Team (FIT) will conduct a screening site investigation of the subject site located in Onslow County, NC. The investigation will be conducted on 11-15 June 1990 by Walter Riley of NUS Corporation.

The purpose of the investigation is to determine if the site poses a hazard to public health or the environment because of releases of contaminants to soil, surface water, groundwater, or air. The investigation team will take samples on and around the site to determine if a hazardous condition exists. Additionally, they will locate all nearby water supplies (surface and groundwater, community and private) and any close sensitive environments, schools, and day care centers.

This investigation is not an emergency situation but is a normal step in the evaluation of all uncontrolled and unregulated potential hazardous waste sites in North Carolina. You may want to have your representative meet the investigation team at the site. If so, please contact Walter Riley at 1-800-888-7710 and he will coordinate a meeting. I am enclosing background data on the site for your information.

Mr. Lanier
4-27-90
Page 2

If the investigation indicates the need for future study of the site, we will contact your office to advise. If you have any questions, please don't hesitate to call David Lilley or me at (919) 733-2801.

Sincerely,



Pat DeRosa, Head
CERCLA Branch
Superfund Section

cc: Gordon Layton
Doug Holyfield
Steve Reid
Lois Walker
Ann Rudd
David Lilley
File

PD/db/wp-sitenote.gn

Federal
Trip Notification & Authorization

Prepared by: David Little

Today's Date: April 25, 1990

*Use Black Ink or Typewriter only-Staff to fill out first 2 blocks only.

Site Trip

Date of Trip: June 11-15, 1990

If trip date changed or cancelled note below:

Trip Date Changed To: _____ Cancelled: _____

NCD#: 084 127 444
City: Jacksonville

Site Name: Steady Inc Incorporated
County: Onslow

Reason for Trip: Screening Site Investigation

Name of Hotel (Overnight Trip): _____ Hotel Telephone Number: () _____

Authorized by: David Little
Industrial Hygienist

Project Team Leader: Walter Riley

Assistants: _____, _____, _____

Attach To Notification Form: 1 copy each: Preliminary Assessment Form (First page only)
Submit to the Site Map
Industrial Hygienist PA Transmittal Letter

(Please list appropriate County Health Department contact person to call to advise of trip)

Environmental Supervisor or Health Director to call: Mr. Kenneth Lanier Title: Supervisor
(Note if Dr., M.P., etc.)

Telephone Number: (919) 347-2150

Notes: Health Department Official Contacted: Mr. Ken Lanier
Back Up Letter Required: Yes No

Notified Mr. Lanier on 4.27-90 (DBL)

Note: Signed original to Data Manager



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET
ATLANTA, GEORGIA 30365

RECEIVED
23
APR 19 1990

4WD-WPB
APR 19 1990

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Robert C. Benson
Stanadyne Incorporated
Diesel Systems Group
405 White Street
Jacksonville, North Carolina 28540

RE: Stanadyne Incorporated
Diesel Systems Group
405 White Street
Jacksonville, Onslow County, North Carolina
NCD084167444

Dear Mr. Benson

The United States Environmental Protection Agency (EPA), pursuant to the authority and requirements of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), 42 U.S.C. 9601 et seq., as amended by the Superfund Amendments and Reauthorization Act (SARA), Public Law 99-499, is planning to conduct an investigation of the above referenced site. Stanadyne, Incorporated, Diesel Systems Group is located on 405 White Street, Jacksonville, North Carolina. EPA has reason to believe that there may be a release or threat of a release of hazardous substances from the site into the surrounding environment. The purpose of this investigation is to determine the nature and extent of contamination at the site and to determine what, if any, further response action would be appropriate.

As per your telephone conversation with me on April 18, 1990, EPA was granted permission for access to your property beginning on or about June 11, 1990, and continuing through the completion of the investigation on or about June 15, 1990. Activities to be conducted during the investigation include:

1. Inspect, sketch, and photograph the premises;
2. Collect surface and subsurface soil samples;
3. Collect groundwater and subsurface water samples;
4. Collect sediment samples;
5. Conduct air monitoring;

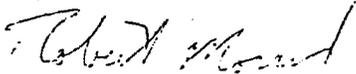
6. Transportation of equipment onto and about the site as necessary to accomplish the activities above, including trucks and sampling equipment.

The above sampling activities will be conducted by personnel from EPA Region IV's Field Investigation Team (FIT). Walter Riley of FIT will contact you prior to the actual site visit to make final arrangements and note any changes.

Split samples will be made available if requested. However, you will be required to furnish you own containers as well as your own laboratory analyses.

If you have any questions, please contact me at (404) 347-5065. Your cooperation in this matter is appreciated.

Sincerely,



Robert Morris
Environmental Engineer

Enclosure

cc: Pat DeRosa, NCDEHNR
Joan Dupont, NUS Corporation
Walter Riley, NUS Corporation



North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
David T. Flaherty, Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

September 17, 1987

Ms. Denise Smith
EPA NC CERCLA Project Officer
EPA Region IV Waste Division
345 Courtland Street, N.E.
Atlanta, GA 30365

Dear Ms. Smith:

SUBJECT: Preliminary Assessment Report
Stanadyne, Inc. - Diesel Systems Group
NC D084167444
Jacksonville, Onslow Co., NC

Please find attached the Preliminary Assessment Report for Stanadyne, Inc. Information provided is based upon records at this office, and communication with persons most knowledgeable about the site.

The Stanadyne facility is a diesel systems assembly and test plant which was constructed in 1976. Wastes generated at the facility include 1,1,1-trichloroethane, tetrachloroethylene, methylene chloride, and related still bottoms. Stanadyne generates still bottoms at a rate of approximately 125 gallons per month.

Based on communication with personnel from Stanadyne and from this office, there have been no spills or incidents of on-site hazardous waste disposal at this facility. In addition, it is understood that hazardous materials, solvents in particular, were never stored outside the plant buildings.

Stanadyne is located within three miles of at least one of Jacksonville's public water supply wells. These wells serve in excess of 10,000 persons. Surface waters downgradient from the facility are believed to be used for recreational purposes including fishing and swimming.

In that no releases of hazardous substances are believed to have occurred at this facility, the priority assigned for site inspection at Stanadyne is Low.

For additional information regarding the Stanadyne site, please contact me at (919) 733-2801.

Sincerely,

D. Mark Durway

D. Mark Durway, Geologist



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NC	D084167444

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Stanadyne, Inc. - Diesel Systems Group		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 405 White Street			
03 CITY Jacksonville	04 STATE NC	05 ZIP CODE 28540	06 COUNTY Onslow	07 COUNTY CODE 67	08 CONG DIST 03
09 COORDINATES LATITUDE 34 45 24		LONGITUDE 77 23 22			

10 DIRECTIONS TO SITE (Starting from nearest public road)
From downtown Jacksonville, take NC Highway 24 east for approx. 2 miles. Turn left onto SR 1470 (which leads to County Memorial Hospital) and go approx. 1 mile north. Find facility 0.25 miles to the west on nearby White Street.

III. RESPONSIBLE PARTIES

01 OWNER (if known) Diesel Systems Group - Stanadyne, Inc.		02 STREET (Business, mailing, residential) 405 White Street			
03 CITY Jacksonville	04 STATE NC	05 ZIP CODE 28540	06 TELEPHONE NUMBER (919) 353-3666		
07 OPERATOR (if known and different from owner)		08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()		

13 TYPE OF OWNERSHIP (Check one)
 A. PRIVATE B. FEDERAL: _____ (Agency name) C. STATE D. COUNTY E. MUNICIPAL
 F. OTHER: _____ (Specify) G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
 A. RCRA 3001 DATE RECEIVED: ____/____/____ MONTH DAY YEAR B. UNCONTROLLED WASTE SITE (RCRA 103 c) DATE RECEIVED: ____/____/____ MONTH DAY YEAR C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION BY (Check all that apply)
 YES DATE ____/____/____ MONTH DAY YEAR A. EPA B. EPA CONTRACTOR C. STATE D. OTHER CONTRACTOR
 NO E. LOCAL HEALTH OFFICIAL F. OTHER: _____ (Specify)
 CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one) 03 YEARS OF OPERATION
 A. ACTIVE B. INACTIVE C. UNKNOWN 1976 UNKNOWN
 BEGINNING YEAR ENDING YEAR

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
 Facility is situated on a 20 acre property. Plant assembles and tests diesel components, primarily pumps and injectors. Wastes generated include spent trichloroethane, trichloroethylene, methylene chloride, and related still bottoms.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
 No known spills or incidents of on-site disposal. Facility has never stored wastes or chemicals outside the plant building. Stanadyne is a RCRA large quantity generator.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
 A. HIGH (inspection required promptly) B. MEDIUM (inspection required) C. LOW (inspect on time available basis) D. NONE (no further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT Robert C. Benson		02 OF (Agency/Organization) Facility engineer at Stanadyne		03 TELEPHONE NUMBER (919) 353-3666	
04 PERSON RESPONSIBLE FOR ASSESSMENT D. Mark Durway		05 AGENCY NC S&HWMgmt	06 ORGANIZATION CERCLA	07 TELEPHONE NUMBER (919) 733-2801	08 DATE 9 / 17 / 87 MONTH DAY YEAR



**POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION**

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
NC	D084167444

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply) <input type="checkbox"/> A. SOLID <input type="checkbox"/> B. POWDER, FINES <input checked="" type="checkbox"/> C. SLUDGE <input type="checkbox"/> D. OTHER _____ <small>(Specify)</small>	02 WASTE QUANTITY AT SITE <small>(Measures of waste quantities must be independent)</small> TONS _____ CUBIC YARDS <u>UNKNOWN</u> NO. OF DRUMS _____	03 WASTE CHARACTERISTICS (Check all that apply) <input checked="" type="checkbox"/> A. TOXIC <input type="checkbox"/> B. CORROSIVE <input type="checkbox"/> C. RADIOACTIVE <input checked="" type="checkbox"/> D. PERSISTENT <input type="checkbox"/> E. SOLUBLE <input type="checkbox"/> F. INFECTIOUS <input type="checkbox"/> G. FLAMMABLE <input type="checkbox"/> H. IGNITABLE <input type="checkbox"/> I. HIGHLY VOLATILE <input type="checkbox"/> J. EXPLOSIVE <input type="checkbox"/> K. REACTIVE <input type="checkbox"/> L. INCOMPATIBLE <input type="checkbox"/> M. NOT APPLICABLE
--	---	--

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	125	gal/mo	still bottoms
OLW	OILY WASTE			
SOL	SOLVENTS	UNKNOWN		
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
SOL	1,1,1- trichlorethane	71556			
SOL	trichloroethylene	79016			
SOL	methylene chloride	75092			

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	NA		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- 1) Records at NC S&HWMgmt, Raleigh, NC.
- 2) Doug Holyfield of NC S&HWMgmt, pers. comm., 4-19-85.
- 3) Robert C. Benson, facility engineer at Stanadyne, pers. comm., 9-16-87.

JACKSONVILLE LANOFFEL

NC 0980502991

S15670100296

STANAONE, INC / ODDESE SYSTEMS

NC 00841677444

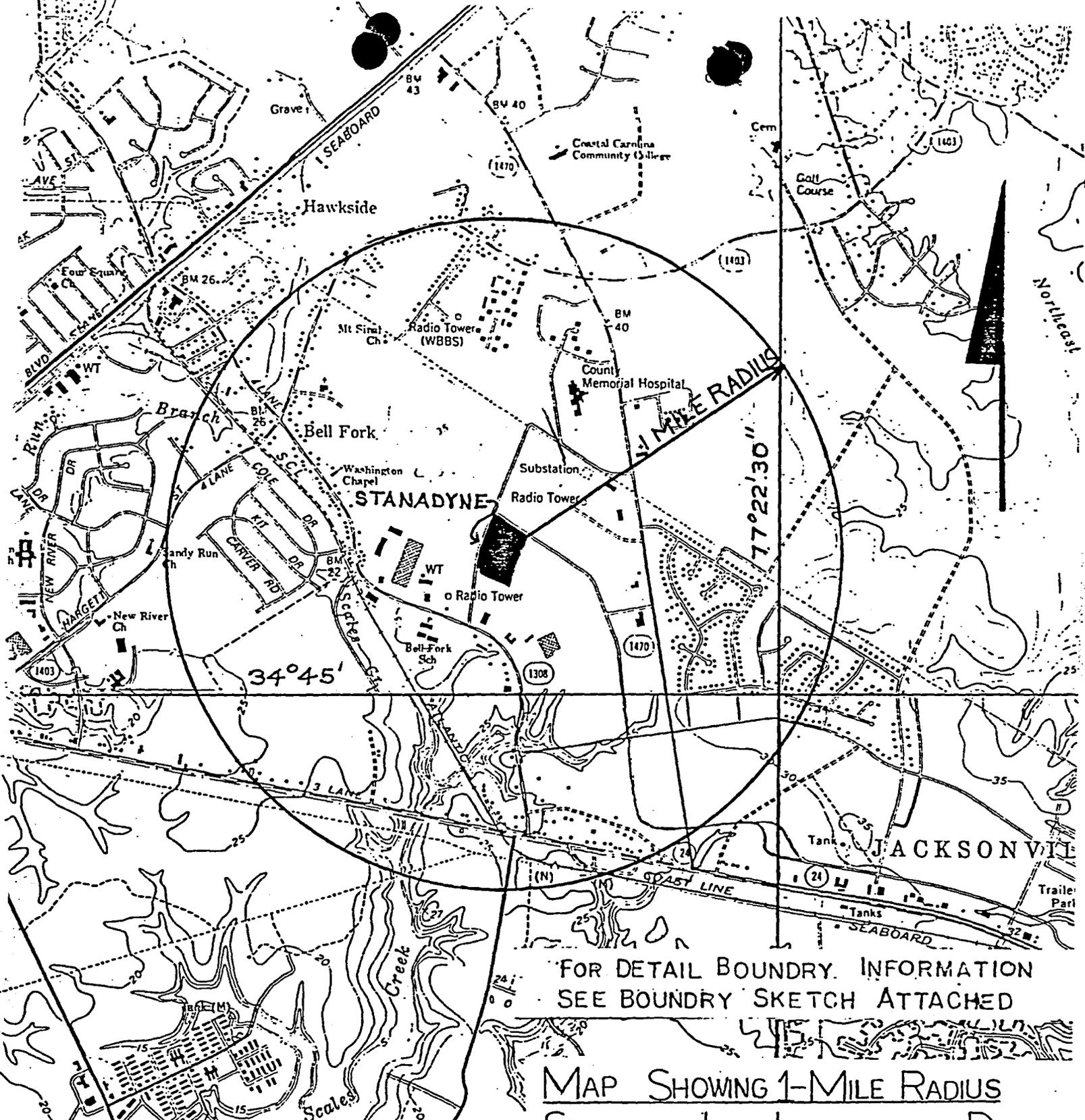
S15670100439



Friday 9:00

Bottle or Brins letter

Greater than 1 mile Away



FOR DETAIL BOUNDRY INFORMATION
SEE BOUNDRY SKETCH ATTACHED

MAP SHOWING 1-MILE RADIUS
STANADYNE INC. JACKSONVILLE DIVISIO
JACKSONVILLE TWP. ONSLOW CO. NC

JAMES E. STEWART AND ASSOCIATES, INC.
ENGINEERING - SURVEYING - LAND PLANNING

JACKSONVILLE, NORTH CAROLINA

USGS 7.5' JACKSONVILLE NORTH, NC

NORTHEAST

NORTHEAST
CREEK

16 September 1987

TO: File

FROM: D. Mark Durway *DMD*.

RE: Stanadyne Inc., Jacksonville, NC (NC D084167444)

In a telephone conversation today, Robert C. Benson, facility engineer at Stanadyne (tel. 919/353-3666), told me that there have never been releases of hazardous substances or incidents of on-site disposal at the Stanadyne facility in Jacksonville. He said that the facility was new when Stanadyne purchased it in 1977. Regarding drum storage, Mr. Benson said that drums of hazardous substances have never been stored outside the facility building. Stanadyne is a RCRA large quantity generator which generates 1,1,1-trichloroethane and methylene chloride still bottoms.

TO: FRONT FILES

4-19-85

TO: Mark Durway
From: Doug Holyfield

I have enclosed a copy of the
change of classification regarding
Steady Diesel-Jacksonville.

EPA# NCD 084167444. It is

my understanding that no disposal
activities has occurred at this

site. What is the procedure regarding

removing this site from the

ERRIS list? They are no

longer a TSD facility.

Thank you

→ name won't be removed from ERRIS; however
site may be designated "P" (pending) or "N" (no further action).



Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

DIVISION OF HEALTH SERVICES
EASTERN REGIONAL OFFICE
404 St. Andrews Street
Greenville, N.C. 27834
(919) 756-1343



January 25, 1983

TO: O.W. Strickland, Head
Solid and Hazardous Waste Management Branch

FROM: Raymond L. Church
Eastern Regional Office

RE: RCRA Inspection Report
Diesel Systems Group - Stanadyne, Inc.
P.O. Box 5084
405 White Street
Jacksonville, NC 28540
Onslow County
EPA ID# NCD084167444
Contact: Robert C. Benson, Facility Engineer
(919) 353-3666

A RCRA Inspection was conducted at the Diesel Systems Group, Stanadyne, Inc. Jacksonville facility on Tuesday January 18, 1983.

The facility was found to be in compliance with the RCRA Interim Status Standards.

Mr. Benson was requested to forward test results performed on waste cutting oils and calibration fluids to this office upon receipt from laboratory.

sle

Samples received by K.L.



110 WEST WALKER AVENUE
ASHEBORO, N. C. 27203

TELEPHONE (919) 625-6111
P. O. BOX 728

Owner & Location: Diesel Systems Group
Stanadyne Division
405 White Street
Jacksonville, NC 28540

Laboratory: Moore, Gardner & Associates, Inc.
Environmental Laboratory
110 West Walker Avenue
Asheboro, North Carolina 27203
USEPA Lab # NCO02
NCNRCD Lab # 18

Sample Collected By: James E. Gill, MGA

Date Sampled: 2/7/81

Date Received in Lab: 2/9/81

Sample Location: Imperial 1010 Cutting fluid emulsion from
recirculating sump

Physical Characteristics:
solid XX liquid semi-solid

Layering:
none XX bilayer multilayer

Analyst: Kenneth L. Jesneck
Patty Smith
Stephanie Trogdon

Date of Analysis: 2/9/81

Client I.D. # 280000(505) - 15470

Diesel System Group
Page 2
May 13, 1981

Since the above material is a hazardous waste, disposal in a sanitary landfill cannot be permitted. Proper disposal must be in accordance with the "Hazardous Waste Regulations."

If you have any additional questions, concerning this matter, please contact our office at (919) 733-2178.

Sincerely,

William Paige, Environmental Chemist
Solid and Hazardous Waste Management Branch
Environmental Health Section

WP:lc

RCRA Inspection Report

1. Facility Information

Diesel Systems Group - Stanadyne, Inc.
P.O. Box 5084
405 White Street
Jacksonville, NC 28540
Onslow County
EPA ID# NCD084167444

2. Responsible Officials

Robert C. Benson, Facility Engineer; (919) 353-3666
Edwin Reffelt, Facility Service Foreman

3. Survey Participants

Robert C. Benson, Facility Engineer
Edwin Reffelt, Facility Service Foreman
Ray Church, District Sanitarian, Division of Health Services

4. Date of Inspection

January 18, 1983

5. Applicable Regulations

No Change

6. Purpose of Survey

No Change

7. Facility Description

The Stanadyne, Inc. facility in Jacksonville, NC received a change in status under RCRA on December 21, 1982. The facility is now listed as a generator only and is no longer permitted under Interim Status as a TSDF.

The waste generated by this facility include 1,1,1-tri-chloroethane still bottoms (F002) at a rate of approximately 70 gallons/month and methylene chloride still bottoms (F002) at approximately 55 gallons/month. The facility also receives waste 1,1,1-tri-chloroethane and methylene chloride from the New Bern Stanadyne facility (NCD980602445) at a rate of 55 gallons per month of each waste. The waste are distilled at the Jacksonville facility and the resultant still bottoms are removed on an average of 60 days by Triangle Resource Industries, Riedsville, NC, NCD000648451. In the past year these waste have been disposed at M & M Chemical Co., Gadsden, Ala.; Chemical Waste Management, Emelle, Ala.; and B.F.I. Waste Systems, Inc., Livingston, La.

An additional waste, cutting oil, is received at the Jacksonville facility from the New Bern Plant. The rate of generation is 1,000 gallons/month. Recent test performed to determine if the material could be treated by the Jacksonville POTW indicated the presence of cyanide at 0.9 mg/l.

Additional analysis are currently being performed to determine alternative disposal methods. At present the cutting oil is being handled by TRI Industries as a Poison B and is disposed of at SCA, Pinewood, SC.

Waste calibrating oils are generated at each facility, approximately 200 gallons/month at the New Bern facility and 1,900 gallons/month at the Jacksonville Plant. The oil contains the following trade name oils:

Mentor #28 F.P. 255°F
Viscar Calibrating fluid 1487C F.P. 160-175°F
Vertex 60-A F.P. 290°F
Honilo 480 F.P. 250°F

The calibrating fluids are currently being combined and shipped to the Diesel Systems Group, Stanadyne, Inc. Hartford, CT plant to be used as a fuel supplement. Mr. Benson was advised to have an E.P. Toxicity test run to determine if the calibrating fluids should be considered hazardous.

8. Documentation of Site Deficiencies

The facility was in compliance with the Interim Status Standards.

9. Compliance Schedule/Recommendations

Results of E.P. Toxicity test performed on calibrating fluids and cutting oils should be forwarded to this office upon receipt.

INSPECTION FORM FOR INTERIM STATUS STANDARDS FOR
OWNER/OPERATOR OF HAZARDOUS WASTE MANAGEMENT
FACILITIES

Stanadyne

NCD 084 167 444

Onslow

Name of Site

EPA I.D.

County

P.O. Box 5084, 405 White St Jacksonville 28542

Signature of Facility Contact

Location

1-18-83

Robert C. Benson
Signature of Inspector(s)

Date

INSTRUCTIONS: Place a check to indicate Compliance (C), NonCompliance (NC) or Not Applicable (NA). Cite specific violation by Section No.

	<u>C</u>	<u>NC</u>	<u>NA</u>	<u>Violation(s)</u>
1. GENERAL	✓	—	—	—
2. GENERAL FACILITY STANDARDS	✓	—	—	—
3. PREPAREDNESS AND PREVENTION	✓	—	—	—
4. CONTINGENCY PLAN AND EMERGENCY PROCEDURES	✓	—	—	—
5. MANIFEST SYSTEM, RECORDKEEPING, AND REPORTING	✓	—	—	—
6. GROUND-WATER MONITORING	—	—	✓	—
7. CLOSURE AND POST-CLOSURE	—	—	✓	—
8. FINANCIAL REQUIREMENTS	—	—	✓	—
9. USE AND MANAGEMENT OF CONTAINERS	✓	—	—	—
10. TANKS	—	—	✓	—
11. SURFACE IMPOUNDMENTS	—	—	✓	—
12. WASTE PILES	—	—	✓	—
13. LAND TREATMENT	—	—	✓	—
14. LANDFILLS	—	—	✓	—
15. INCINERATORS	—	—	✓	—
16. THERMAL TREATMENT	—	—	✓	—
17. CHEMICAL, PHYSICAL, AND BIOLOGICAL TREATMENT	—	—	✓	—
18. UNDERGROUND INJECTION	—	—	✓	—

Ben Carter

changed from TSD 12-21-82

Imminent hazard

YES

()

NO

(✓)

Information

Systems Group - Stanadyne, Inc.
Box 5084
White Street
Jacksonville, NC 28540
Onslow County
EPA ID# NCD084167444

2. Facility Contact

Edwin Reffelt, Facility Service Foreman
(919) 353-3666

Bob Benson, Facility Engineer
(919) 353-3666

3. Survey Participants

Edwin Reffelt, Facility Service Foreman
Bob Benson, Facility Engineer
Raymond L. Church, Jr., District Sanitarian

4. Date of Inspection

January 19, 1982

5. Applicable Regulations

40 CFR Parts 262 and 265 Subpart I F.R. May 19, 1980 and Amendments.

6. Purpose of Survey

RCRA compliance inspection including review of records and site survey.
Regulatory requirements covered included those contained in 40 CFR Part 262,
Generator Standards and Part 265 Subpart I. Use and Management of Containers.

7. Facility Description

The Diesel System Group - Stanadyne, Inc. facility occupies ten acres of a 20
acre site adjacent to White Street in Jacksonville, NC.

This facility assembles and tests diesel components, primarily pumps and
injectors. The facility began operation at this location in 1977.

The hazardous waste produced at this facility which were listed in the Part A
are: F001 waste trichloroethylene (U228) and 1,1,1 trichloroethane (U226);
F002 methylene chloride; and waste acetone (U002). The F001 and F002 still
bottoms are generated at the rate of approximately 110 gallons per month. Acetone
is being purged from the system and therefore the generation rate was not available.

These wastes are currently being transported, stored and disposed of by
Triangle Resource Industries of Riedsville, NC. TRI has a contract with this
facility to pick up their waste approximately every 60 days.

8. Documentation of Site Deficiencies

Failure to make arrangements with the appropriate local authorities. (265.37)

Failure to include arrangements agreed to by local authorities in the contingency
plan as required by (265.52(c))

Failure to submit copies of the contingency plan to local authorities. (265.53(b))

On slow
DWC

May 13, 1981

Diesel System Group -
Stanadyne, Inc.
P.O. Box 5034
Jacksonville, NC 28540

RE: Synthetic Cutting Fluid Mix

Dear Mr. Benson:

The Division of Health Services has reviewed your request of April 29, 1981 for characterization of the above referenced waste.

Based upon the submitted documents, this waste appears to be hazardous as defined by the current RCRA regulations. This determination is based upon the waste meeting at least one of the below Criteria For Identifying A Hazardous Waste:

Subpart D - List of Hazardous Waste

- Section 261.31 Hazardous waste from nonspecific sources.
EPA Hazardous Waste No.
- Section 261.32 Hazardous waste from specific sources.
EPA Hazardous Waste No.
- Section 261.33 Discarded Commercial Chemical Products, Off-Specification Species, Containers, and Spill Residues.
EPA Hazardous Waste No.

Subpart C - Characteristics of Hazardous Waste

- Ignitable
- Corrosive
- Reactive
- EP Toxicity (Silver > 5.0ppm)
(EPA Waste Co. No. D011)

E P Toxicity Scan
for
Hazardous Waste

Hazardous Waste Testing Procedure:

The dewatered sludge was analyzed for the eight (8) metals, four (4) pesticides, and two (2) herbicides listed in the regulations and according to the extraction and filtration procedures detailed in CFR, Vol. 45, No. 98, Monday, May 19, 1980, pp. 33121-33128.

Analytical Instruments Used:

Mettler H-32 Analytical Balance
Boekel Desiccator
Fisher Isotemp Oven
Corning AG-11 Glass Still
Millipore Pressure Filtration
and Extraction Assembly
Perkin-Elmer 056 Recorder

Fisher Accumet Model 520 pH meter
Orion 605 Electrode Control &
Specific ion Probes
B & L Spectronic 70 Spectrophotometer
Perkin-Elmer 503 Atomic Absorption
Spectrophotometer
Perkin-Elmer Sigma 2B Gas Chromatograph

Leachate Test Procedure:

Acetic Acid required was determined from one composite sludge sample.

Sample Wt.

mls of .5N
Acetic Acid
required to
adjust to
5.0±0.2
at different
time intervals.

initial
15 min.
30 min.
1 hr.
2 hr.
3 hr.
4 hr.
24 hr.
28 hr.
total

NO EXTRACTION
% Solids
< 0.5 %

Initial pH: 8.8

Final pH:

Test Results:

EPA
hazardous
waste
number

Contaminant

Maximum
Concentration
(mg/l)

Direct
Analyses
(mg/l)

E P Leachate
Analyses
(mg/l)

D004	Arsenic	5.0	0.013	0.010
D005	Barium	100.0		1.54
D006	Cadmium	1.0	0.045	0.06
D007	Chromium	5.0	0.85	1.38
	Chromium, Hexvalent			
D008	Lead	5.0	0.10	0.52
D009	Mercury	0.2	0.0098	0.0055
D010	Selenium	1.0		0.024
D011	Silver	5.0	1.20	5.10
D012	Endrin (1,2,3,4,10,10- hexachloro-1,7-epoxy- 1,4,4a,5,6,7,8,8a- octahydro-1,4-endo, endo- 5,8-dimethano naphthalene)	0.02		
D013	Lindane (1,2,3,4,5,6- hexachlorocyclohexane, gamma isomer.)	0.4		
D014	Methoxychlor (1,1,1- Trichloro-2,2-bis p- methoxyphenyl ethane).	10.0		
D015	Toxaphene (C ₁₀ H ₁₀ Cl ₉ , Technical chlorinated Camphene, 67-69 percent chlorine).	0.5		
D016	2,4-D, (2,4- Dichlorophenoxyacetic acid).	10.0		
D017	2,4,5-TP Silvex (2,4,5- Trichlorophenoxypropionic acid).	1.0		

% solids =

TOC =

TIC =

Cyanides = 3.7 mg/l

Flash Point = No Flash @ 140°F

Direct Analyses on Copper = 0.80 mg/l
Nickel = 0.20 mg/l
Zinc = 2.3 mg/l

COD = 281,000 mg/l

Oil & Grease = 1122 mg/l

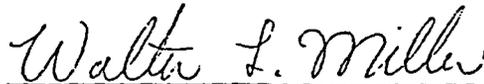
% Moisture = 91.46 %

Certification Statement:

I have personally examined and am familiar with the information submitted in this certification, and I hereby certify under penalty of law that this information is true, accurate, and complete.



Kenneth L. Jesneck
Laboratory Technician
G.C. Analyst



Walter L. Miller
Asst. Director of Laboratory Services



Stephanie S. Trogdon
Laboratory Technician
A.A. Analyst

Patty Smith
Laboratory Technician
A.A. Analyst

Stanadyne diesel systems

April 29, 1981



Mr. O. W. Strickland, Head
Solid Waste Management
Environmental Health Section
P. O. Box 2091
Raleigh, NC 27602

Dear Mr. Strickland:

Attached is a waste analysis performed by Moore, Gardner & Associates, Inc. on a water soluble cutting fluid that is used in our manufacturing process. The EP toxicity test indicates the metals to be below the EPA limits; however, some of the metals are above the limits set by the City of Jacksonville, Water and Sewage Department. Can this product be disposed of in a public landfill?

The product is a synthetic cutting fluid mixed to a ratio of 19-1 - 19 parts water to one part cutting fluid. The operation performed is a grinding operation.

Very truly yours,

A handwritten signature in cursive script that reads "Bob Benson".

Bob Benson
Supervisor, Facility Engineering

/pec
Attachment
cc: Mr. Rick Learey, Onslow County Manager

1200 gal - tanks



StartMaster

STANADYNE, INC. - DIESEL SYSTEMS GROUP
NC D084167444
JACKSONVILLE, ONSLOW CO., NC

D. MARK DURWAY
NC S&HWMGMT
9-17-87

RCRA STATUS

Stanadyne is classified as a RCRA large quantity generator. The facility had RCRA interim status for several years, but did not treat, store, or dispose of hazardous waste on-site during that period.

REGION IV RCRA/NPL POLICY QUESTIONNAIRE FOR INITIAL SCREENING

Site Name STANADYNE, INC. - DIESEL SYSTEMS GROUP
 City Jacksonville State NC
 Facility I.D. Number NC D084167444
 Type of Facility: Generator X Transporter _____ TSD _____

I. RCRA APPLICABILITY

	yes	no
Does the facility have RCRA interim status?	_____	<u>X</u>
Does the facility have a final or post-closure permit? If so, date issued _____	_____	<u>X</u>
Is the facility a non-notifier that has been identified by States or EPA?	_____	<u>X</u>
Is the facility a known or possible protective filer?	_____	<u>X</u>
Have RCRA wastes been stored onsite for longer than 90 days since November 19, 1980?	_____	<u>X</u>
Have RCRA wastes been disposed onsite since November 19, 1980?	_____	<u>X</u>

STOP HERE IF ALL ANSWERS TO QUESTIONS IN SECTION I ARE NO

II. FINANCIAL STATUS

	yes	no
Is the facility owned by an entity that has filed for bankruptcy under federal laws (Chapter 7 or 11) or State laws?	_____	_____
If yes, what has it filed under?		
Chapter 7 _____ Chapter 11 _____ Other _____		

III. ENFORCEMENT

RCRA Status

yes no

Has the facility lost authorization to operate via
LOIS, 3005(c) permit denial, 3008(h) IS termination,
3005(d) permit revocation? _____

Has the facilities interim status been terminated via
another mechanism (i.e. administrative termination)? _____

IV. CERCLA STATUS

What CERCLA financed remedial or removal activities have been initiated
at the site? (RI/FS, RD/RA, O&M, forward planning, and removal; does not
include enforcement or PA/SI activities).

V. Enforcement Status

yes no

In general, would you characterize the facility as
demonstrating an unwillingness to undertake corrective
action based on prior State, CERCLA or RCRA actions? _____

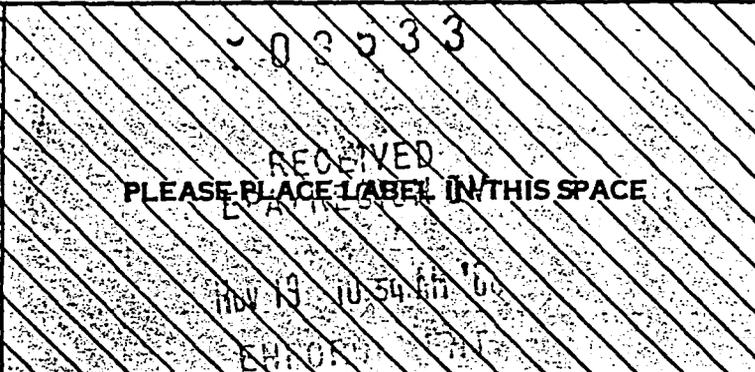
If yes, please describe and cite the authorities exercised.

yes no

Is the owner/operator a party to any enforcement action
at the site? _____

If not, why not?

Are any PRPs (including owner/operators) undertaking remedial studies or
action in response to CERCLA enforcement authorities? What is the extent/
type of work that has been completed (RI/FS, etc.) and who (generators,
owner/operator, etc.) is conducting the work?

FORM 1 GENERAL		U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION Consolidated Permits Program (Read the "General Instructions" before starting.)		I. EPA I.D. NUMBER F N C D O 8 4 1 6 7 4 4 4 3 D	
LABEL ITEMS		 <p style="text-align: center;">RECEIVED PLEASE PLACE LABEL IN THIS SPACE NOV 19 10 54 AM '60 EPA/01</p>		GENERAL INSTRUCTIONS	
I. EPA I.D. NUMBER				<p>If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in areas below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.</p>	
III. FACILITY NAME					
V. FACILITY MAILING ADDRESS					
VI. FACILITY LOCATION					

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X'			SPECIFIC QUESTIONS	MARK 'X'		
	YES	NO	FORM ATTACHED		YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		X		D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X			F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 **SKIP** DIESEL SYSTEMS GROUP - STANADYNE, INC.

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title) B. PHONE (area code & no.)

2 BENSON, ROBERT, FACILITY ENG. 919 353 3666

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 PO BOX 5084

B. CITY OR TOWN C. STATE D. ZIP CODE

4 JACKSONVILLE NC 28540

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 405 WHITE STREET

B. COUNTY NAME

ON SLOW

C. CITY OR TOWN D. STATE E. ZIP CODE F. COUNTY CODE (if known)

6 JACKSONVILLE NC 28540

II. SIC CODES (4-digit, in order of priority)

A. FIRST		B. SECOND	
3 5 1 9 (specify) Fuel Injection Systems	7 (specify)		
C. THIRD		D. FOURTH	
	7 (specify)		

III. OPERATOR INFORMATION

A. NAME DIESEL SYSTEMS GROUP - STANADYNE, INC.	B. Is the name listed in Item VIII-A also the owner? <input type="checkbox"/> YES <input type="checkbox"/> NO
---	--

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.) F - FEDERAL M - PUBLIC (other than federal or state) S - STATE O - OTHER (specify) P - PRIVATE	P (specify)	D. PHONE (area code & no.) 9 1 9 3 5 3 3 6 6 6
--	-------------	---

E. STREET OR P.O. BOX 4 0 5 WHITE STREET

F. CITY OR TOWN JACKSONVILLE	G. STATE NC	H. ZIP CODE 2 8 5 4 0	IX. INDIAN LAND Is the facility located on Indian lands? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
---------------------------------	----------------	--------------------------	--

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water) 9 N	D. PSD (Air Emissions from Proposed Sources) 9 P
B. UIC (Underground Injection of Fluids) 9 U	E. OTHER (specify)
C. RCRA (Hazardous Wastes) 9 R	E. OTHER (specify)

XI. MAP
Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)
Diesel Systems assembly and test.

XIII. CERTIFICATION (see instructions)
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print) Paul H. Wabrek, Vice President & General Manager	B. SIGNATURE <i>Paul H. Wabrek</i>	C. DATE SIGNED 11/18/80
---	---------------------------------------	----------------------------

COMMENTS FOR OFFICIAL USE ONLY

FORM 3		ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS WASTE PERMIT APPLICATION Consolidated Permits Program <i>(This information is required under Section 3005 of RCRA.)</i>	I. EPA I.D. NUMBER																
RCRA			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">5</td> <td style="width:10%;">F</td> <td style="width:10%;">N</td> <td style="width:10%;">C</td> <td style="width:10%;">D</td> <td style="width:10%;">0</td> <td style="width:10%;">8</td> <td style="width:10%;">4</td> <td style="width:10%;">1</td> <td style="width:10%;">6</td> <td style="width:10%;">7</td> <td style="width:10%;">4</td> <td style="width:10%;">4</td> <td style="width:10%;">4</td> <td style="width:10%;">3</td> <td style="width:10%;">1</td> </tr> </table>	5	F	N	C	D	0	8	4	1	6	7	4	4	4	3	1
5	F	N	C	D	0	8	4	1	6	7	4	4	4	3	1				

FOR OFFICIAL USE ONLY			COMMENTS
APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)		
23	24	29	

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)		2. NEW FACILITY (Complete item below.)	
<input checked="" type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)		FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN	
C	YR.	MO.	DAY
8	77	07	01
15	73 74	75 76	77 78
B. REVISED APPLICATION (place an "X" below and complete Item I above)			
<input type="checkbox"/> 1. FACILITY HAS INTERIM STATUS		<input type="checkbox"/> 2. FACILITY HAS A RCRA PERMIT	
72	72	72	72

III. PROCESSES - CODES AND DESIGN CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

- AMOUNT** - Enter the amount.
- UNIT OF MEASURE** - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:			Treatment:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS		T04	GALLONS PER HOUR OR LITERS PER HOUR
Disposal:					
INJECTION WELL	D79	GALLONS OR LITERS			
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D81	ACRES OR HECTARES			
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS			
		UNIT OF MEASURE CODE			UNIT OF MEASURE CODE
GALLONS.....		G	ACRE-FEET.....		A
LITERS.....		L	HECTARE-METER.....		F
CUBIC YARDS.....		Y	ACRES.....		B
CUBIC METERS.....		C	HECTARES.....		Q
GALLONS PER DAY.....		U			
LITERS PER DAY.....		V			
TONS PER HOUR.....		D			
METRIC TONS PER HOUR.....		W			
GALLONS PER HOUR.....		E			
LITERS PER HOUR.....		H			

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

C	DUP	T/A	C	I							
LINE NUMBER	A. PRO-CESS CODE (from list above)		B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY	LINE NUMBER	A. PRO-CESS CODE (from list above)		B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY
	1	2	1	2			1	2	1	2	
X-1	S	02	600	G	5	X-2	T	03	20	E	6
1	S	01	2750	G	7	2					8
2					8	3					9
3					9	4					10
4					10						

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 NOV 19 10 54 AM '66
 ENVIRONMENT

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code _____). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER - Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

<u>ENGLISH UNIT OF MEASURE</u>	<u>CODE</u>	<u>METRIC UNIT OF MEASURE</u>	<u>CODE</u>
POUNDS.....	P	KILOGRAMS.....	K
TONS.....	T	METRIC TONS.....	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO. /Z	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

NOTE: Photocopy this page before completing if more than 26 wastes to list.

EPA I.D. NUMBER (enter from page 1)													FOR OFFICIAL USE								
W	N	C	D	0	8	4	1	6	7	4	4	4	W	DUP			T/A/C	2	DUP		
1	2												1	2			13	14	15	23	26

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES			
	23	24	25	26			1. PROCESS CODES (enter)			
						27-28	27-29	27-29	27-29	
1	F	0	0	2	13,446	P	S	0	1	
2	F	0	0	3	4404	P	S	0	1	
3										
4										
5										
6										
7										
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18										
19										
20										
21										
22										
23										
24										
25										
26										

V. DESCRIPTION OF HAZARDOUS WASTE (continued)
E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE

EPA I.D. NO. (enter from page 1)												
N	C	D	0	8	4	1	6	7	4	4	4	36
											T/A C	

FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

I. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

II. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)						LONGITUDE (degrees, minutes, & seconds)									
3	4	4	5	2	0	0	7	7	2	3	-	2	2	0	-
63	64	67	68	69	71	72	74	75	76	77	79				

III. FACILITY OWNER

- A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.
- B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER						2. PHONE NO. (area code & no.)					
Diesel Systems Group - Stanadyne, Inc.						9 1 9 - 3 5 3 - 3 6 6 6					
3. STREET OR P.O. BOX			4. CITY OR TOWN			5. ST.		6. ZIP CODE			
405 White Street			Jacksonville			NC		2 8 5 4 0			

X. OWNER CERTIFICATION

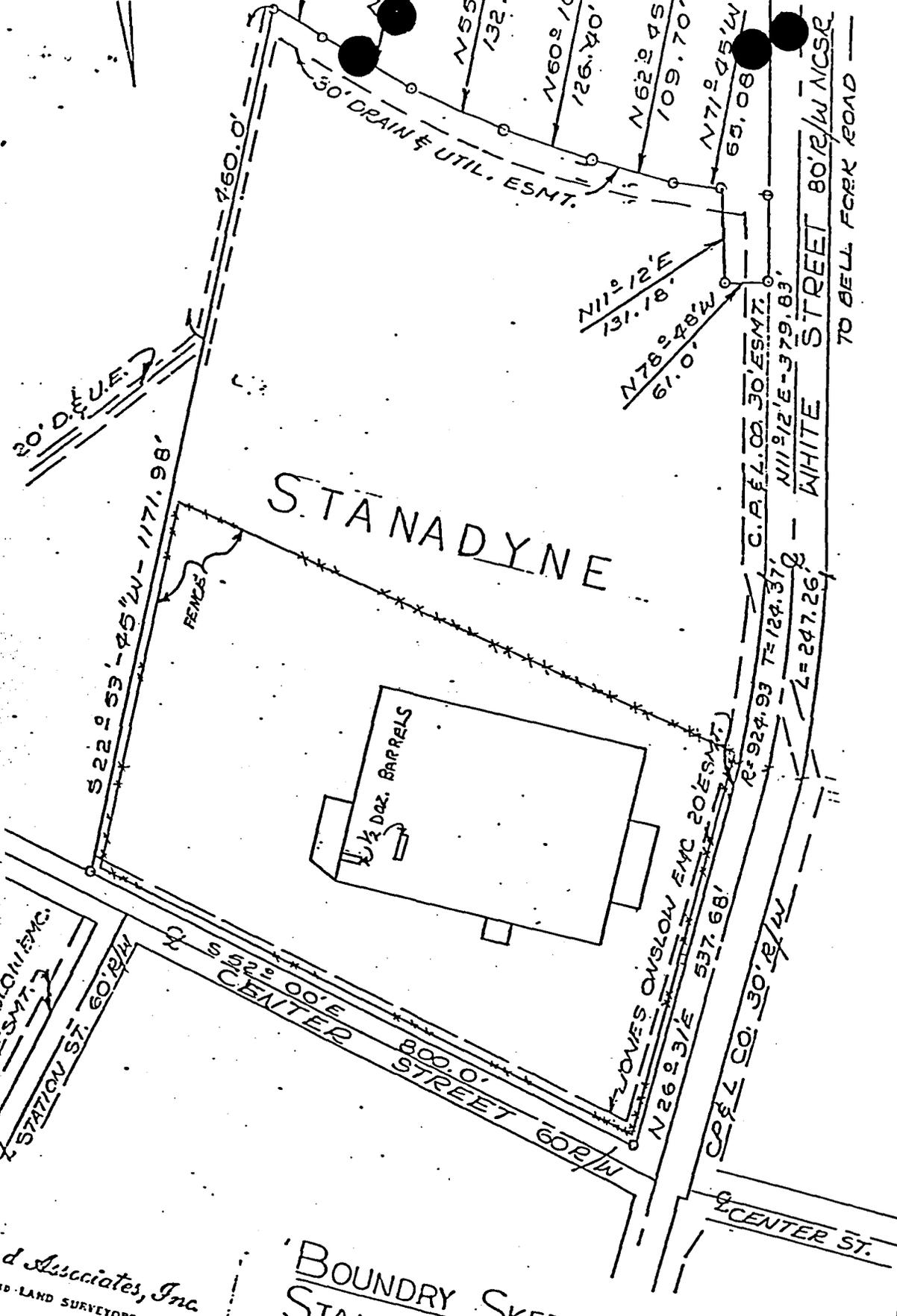
certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED
Paul H. Wabrek, Vice President & General Manager	<i>Paul H. Wabrek</i>	11/18/80

OPERATOR CERTIFICATION

certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED
Paul H. Wabrek, Vice President & General Manager	<i>Paul H. Wabrek</i>	11/18/80



'BOUNDRY SKETCH
 STANADYNE INC.
 JACKSONVILLE DIVISION
 SCALE 1"=200' DATE 10-7-80

d Associates, Inc
 LAND SURVEYORS
 ES40



A



NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
INTER OFFICE MEMORANDUM

DATE _____

TO File - Staradynac Inc - Jacksonville

FROM _____

084 167 444

~~4/20/85~~

12/20/82

del as

header

store

disposal

del as general