

REMEDIAL SITE ASSESSMENT DECISION - EPA REGION 7

CON: 12-15
Doc # 6881

SITE NAME: C&M Ag EPA ID#: _____

Alias Site Names: _____

City: Corwith County or Parish: Hancock State: Iowa

Refer to Report Dated: 12/21/01 Report type: PA

Report developed by: Daniel Cook

DECISION:

1. Further remedial site assessment under CERCLA (Superfund) is not required because:
 1a. Site does not qualify for further remedial site assessment under CERCLA, No Further Remedial Action Planned (NFRAP)

1b. Site may qualify for further action, but is deferred to: RCRA NRC
 IDNR Programs: (Specify:) Iowa Department of Natural Resources Contaminated Sites Section

2. Further Assessment Needed Under CERCLA: 2a. Qualifier: Higher Lower Part of NPL Site

Referred to Removal, Needs More Remedial Action Referred to Removal, No Further Remedial Response Necessary

2b. Activity Type: PA SI ESI HRS evaluation

Other: _____

DISCUSSION/RATIONALE:

After the PA was completed at the site, the contamination was determined to be limited to the site and a little bit on the adjoining property to the south. The amount of contamination is low mostly contributed to handling practices and not to a major spill.

Report Reviewed and Approved by: Dan Cook Signature: [Signature] Date: 01-22-02

Site Decision Made by: _____ Signature: _____ Date: _____

Site Decision Concurrence Made by: _____ Signature: _____ Date: _____



REGION VII U.S. EPA SUPERFUND

NO EPA ID

NO DISCOVERY DATE

PRE-CERCLIS INITIATION FORM

NPL Status = O-NOT A VALID SITE OR INCIDENT

Site Name: C&M Ag

Initiated Date 09/15/2000

Initiated By: [] Removal [] Site Assessment
[X] States [] Federal Facilities
County Name: Hancock
Congressional District: 4

Address: 203 Morton Street
City, State, Zip: 50430

State ID (if one exists):

Federal Facility? [] Yes [X] No

NPL Status: = [X] Not a Valid Site or Incident

Section: [] C-(SACR) Site Assessment/Cost Recovery Branch [] L-(EFLR) Enfr/Fund Lead RV Branch [] F-(FFSE) Federal Facilities/Special Emphasis Branch
[] M-(MOKS) MO/KS remedial Branch [X] I-(IANE) IA/NE Remedial Branch [] O-(ER&R) Emergency Response & RV Branch

List Site Alias Name (s):

Directions to Site: In Hancock County head north on State Hwy 17, turn east on State Hwy 256 into Corwith, Turn southwest on Morton Street which dead-ends at site.

Site Description: Ag chemical dealer in a residential neighborhood.

Site Size: 2

Site Dimension: [X] Acres [] Square Feet
[] Feet [] Square Miles [] Miles
USGS Quadrant: 42092 H8 USGS Hydro Unit:
Latitude: 42.9924 Longitude: 93.9563
(With the release of 3.9 lat/long are in Decimal Degree format)
Lat/Long Accuracy: [X] Seconds [] Miles [] Feet
[] Degrees [] Minutes [] Kilometers [] Meters

Lat/Long Source: [] EPA Region 7 [] EPIC
[] Regulated Entity [X] Private [] Geograph
[] SNAP [] Other [] Other Fed Agency
[] Contractor [] EPA HQ

Site Type (Choose all that apply - for every main category chosen in bold at least one sub-category must be selected; if more than one main and sub category is selected indicate which is primary):

Primary designation:

[] MP-Manufacturing/Processing/Maintenance - Applicable sub-categories:

- [] CA-Chemicals and allied products
[] CG-Coal gasification
[] CP-Coke production
[] EP-Electric power generation and distribution
[] EE-Electronic/electrical equipment
[] FT-Fabrics/textiles
[] LW-Lumber and wood products/pulp and paper
[] WP-Lumber and wood products/wood preserving/treatment
[] MF-Metal fabrication/finishing/coating and allied industries
[] OR-Oil and gas refining
[] OP-Ordnance production
[] PR-Plastics and rubber products
[] PM-Primary metals/mineral processing
[] RA-Radioactive products
[] T A-Tanneries
[] TS-Trucks/ships/trains/aircraft and related components

[] MI-Mining - Applicable sub-categories:

- [] CO-Coal
[] ME-Metals
[] NM-Non-metal minerals
[] OG-Oil and Gas

Owner [] Bank/Loan Company [] Indian Lands
Operator [] County Owned [] Other
Type [] Federally Owned [] District Owned
(choose 1): [] Former Federally Owned [] Mixed Ownership
or Operated [] State Owned
[X] Private
[] Government Owned/Contractor Operated [] Trustee, Federal
[] Privately Owned/Government Operated [] Trustee, State
[] Property Defaulted Back to Government [] Municipality

Operational Status: [] Active [X] Inactive [] Unknown
Incident Type: [X] Non-Oil Spill [] Oil Spill [] Unknown

[] WM-Waste Management - Applicable sub-categories:

- [] CL-Co-disposal landfill (municipal and industrial)
[] ID-Illegal disposal/open dump
[] IF-Industrial waste facility (non-generator)
[] IL-Industrial waste landfill
[] MD-Mine tailings disposal
[] ML-Municipal solid waste landfill
[] RW-Radioactive waste treatment, storage, disposal (non-generator)

[X] OT-Other - Applicable sub-categories:

- [X] AG-Agricultural (e.g., grain elevator)
[] CS-Contaminated sediment site with no identifiable source
[] DC-Dust control
[] GP-Ground water plume site with no identifiable source
[] MO-Military/Other Ordinance
[] PS-Product storage/distribution
[] RD-Research, development, and testing facility
[] RC-Retail/commercial
[] SE-Spill or other one-time event
[] TP-Transportation (e.g., railroad yards, airport, barge docking, site)
[] TW-Treatment works/septic tanks/other sewage treatment

[] RE-Recycling - Applicable sub-categories:

- [] AT-Automobiles/tires
[] DT-Drums/tanks
[] WO-Waste/used oil
[] BS-Batteries/scrap metals/secondary smelting/precious metal recovery
[] CC-Chemicals/chemical waste (e.g., solvent recovery)

Add Action: [X] OU_00 PRE-CERCLIS SURVEYS Planned Complete: 01/31/02

Actual Complete: 01/30/02

Lead code (choose one): [X] F-EPA Fund Financed [] FF - Federal Facility [] S - State, Fund Financed SCAP Note:

Comment: [] Site or [] Action:

Signatures:

State: [Signature]

Date: 01/22/02 RPM/OSC/SAM:

Date: / /

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

I. SITE NAME AND LOCATION:

NAME: C&M Ag

ADDRESS OR OTHER LOCATION IDENTIFIER: 203 Morton Street

CITY: Corwith

STATE: Iowa

ZIP: 50430

DIRECTIONS TO SITE: In Hancock County head north on State Hwy 17, turn east on State Hwy 256 into Corwith, Turn southwest on Morton Street which dead-ends at site

MAP ATTACHED:

II. PROGRAM CONTACTS:

REQUESTED BY: State

DATE OF REQUEST: July 2000

AGENCY/OFFICE: Iowa Department of Natural Resources Contaminated Sites Section

MAILING ADDRESS: Wallace State Office Bldg.

CITY: Des Moines

STATE: Iowa

ZIP: 50319

TELEPHONE: (515) 281-4171

FAX: (515) 281-8895

EVALUATOR: Daniel Cook

AGENCY/OFFICE: (Same)

MAILING ADDRESS:

CITY:

STATE:

ZIP:

TELEPHONE:

FAX:

III. SITE INFORMATION:

TYPE OF FACILITY: Ag Chem Dealer

TYPE OF OWNERSHIP: Private

OWNER/OPERATOR INFORMATION:

SITE STATUS (active/inactive): Inactive

YEARS OF OPERATION: 15

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

OPERATIONAL HISTORY: (How was the site identified?)

IDNR Field Office 2 received a complaint concerning possible spillage of agricultural chemicals at the site. An investigation was conducted on August 24, 1999. There was no one at the facility at the time of the investigation (messages were left at two numbers to call that were listed at the office). Samples were collected for on-site screening analysis of ammonia and off-site laboratory analyses of fertilizer and herbicide compounds.

The following conditions were observed during the investigation:

The facility is not well maintained. There were numerous empty chemical containers strewn about the site. Several areas of dead or no vegetation were observed on-site and off-site.

The primary structure is an office building.

Six abandoned above ground tanks were located northeast of the office building. No fertilizer has been stored in these tanks since the berm requirements went into effect (approximately 3 years ago). There was an area of dead vegetation leading about 50 feet to the southeast from the southeast corner of the tanks.

A concrete containment basin south west of the office building. The basin contained some liquid, chemical containers and pumps. The only chemical stored in the basin in 1999 was Surpass. There was an area of no vegetation starting at the north end of the basin and extending 300 feet southeast to Clinton Street. There was also an area of no vegetation to the south west of the basin.

A concrete pad (for loadout and rinsing) near the containment basin. The pad has a collection sump which is used to remove liquids for land application. There was liquid ponded on the pad.

There was an old dilapidated building located southwest of the pad and containment basin. The building contained numerous empty chemical and lubricant containers. The containers were 5-10 gallons in size with a few 55-gallon drums.

There is a scale pit in front (northwest side) of the office building. This pit contained some liquid.

There was an anhydrous nurse tank, a tank wagon and tank truck parked along the drive that runs in front of the building. Dead vegetation was observed on both sides of the tank truck. Dead vegetation was also observed southwest of the anhydrous tank.

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

IV. PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISIONS

(Criteria from "Improving site Assessment: Pre-CERCLIS Screening Assessments", OSWER Directive #9375.2-11FS, EPA-540-F-98-039, PB98-963310, October 1999)

1. Does the site already appear in CERCLIS? YES or NO

(If YES, this Form may be inappropriate to document site decisions, i.e., a CERCLA PA (at a minimum) is required.)

2. Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures? YES or NO

(If YES, then explain in Section V.)

3. Does the site consist of a release of a naturally occurring substance in its unaltered form, or solely through naturally occurring processes or phenomena, from a location where it is naturally found? YES or NO

(If YES, then explain in Section V.)

4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use? YES or NO

(If YES, then explain in Section V.)

5. Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)? YES or NO

(If YES, then explain in Section V.)

6. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)? YES or NO

(If YES, then explain in Section V.)

7. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)? YES or NO

(If YES, then explain in Section V.)

Check one, either 8.a or 8.b, whichever applies

8. a. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance releases have occurred, EPA approved risk assessment completed)? YES or NO

(Explain in Section V.)

8. b. Base on limited sampling that has been performed at/near the site in conjunction with Pre-CERCLIS Screening Assessment, is there a release or a potential for a release that could cause adverse environmental or human health impacts? YES or NO

(Explain in Section V.)

Yes -> Explain in the following Sections whether or not a CERCLA response action (CERCLIS entry) is warranted.

No -> No CERCLIS entry is warranted. Explain in the following Sections.

V. SUPERFUND SITE SCREENING CRITERIA

A. REMEDIAL CRITERIA

1. SOURCE AND WASTE CHARACTERISTICS

KNOWN OR SUSPECTED SOURCE TYPES AND LOCATIONS: Soil and groundwater contamination from normal handling of ag chemicals

SIZE OF SOURCES AND QUANTITIES (Volume, Area): The site is three acres with only the loadout areas showing signs of contamination.

WASTE TYPES OR HAZARDOUS SUBSTANCES KNOWN OR SUSPECTED TO BE PRESENT: Ag Chemicals

2. GROUND WATER PATHWAY:

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What is the likelihood that a release to groundwater has occurred at the site? A release has been documented.

If a release is not suspected proceed to A.3.

a. USE AND CHARACTERISTICS:

GENERAL STRATIGRAPHY AND HYDROLOGY: Glacial drift material up to 90 feet deep with the Mississippian aquifer being the first significant groundwater source.

PRESENCE OF KARST TERRAIN: Not present.

DEPTH TO SHALLOWEST AQUIFER: Sand lenses contain small amounts of water but the first true aquifer is the Mississippian at 90 feet below the surface.

PRIVATE WELLS WITHIN 4 MILES (locations and population served): 2 wells serving approximately 6 people

MUNICIPAL WELLS WITHIN 4 MILES (locations and population served): 3 City of Corwith wells serving approximately 500 people.

DISTANCE TO NEAREST DRINKING WATER WELL: ¼ mile to the east north east.

WELLHEAD PROTECTION AREAS: none

3. SURFACE WATER PATHWAY:

What is the likelihood that a release to surface water has occurred at the site? A surface water release has not been documented but dead and stressed vegetation have been documented at the site in the surface water runoff pathways and rain water puddles have been tested and have shown high levels of contamination.

If a release is not suspected proceed to A.4.

a. USE AND CHARACTERISTICS:

FLOOD FREQUENCY: Not in a flood plain

DISTANCE TO NEAREST SURFACE WATER: The Boone River ½ mile to the east.

SURFACE WATER BODIES WITHIN 15 DOWNSTREAM MILES: None

DESIGNATED AND/OR PROTECTED USES OF SURFACE WATER BODIES: None

DRINKING WATER INTAKES WITHIN 15 DOWNSTREAM MILES (locations and populations served): None

FISHERIES WITHIN 15 DOWNSTREAM MILES: The Boone River has a State of Iowa designation of 'B(LR)' which contains fish not generally harvested for human consumption.

KNOWN OR POTENTIAL SENSITIVE ENVIRONMENTS AND WETLANDS WITHIN 15 DOWNSTREAM MILES: None

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4. SOIL EXPOSURE PATHWAY:

What is the likelihood of exposure to hazardous substances at the site? A soil release has been documented.

If a release is not suspected proceed to A.5.

a. CHARACTERISTICS:

NUMBER OF PEOPLE LIVING WITHIN 200 FEET: Approximately 6.

SCHOOLS OR DAY-CARES WITHIN 200 FEET: None

POPULATIONS WITHIN 1 MILE: Approximately 500.

NUMBER OF WORKERS AT THE FACILITY OR ADJACENT FACILITIES WHOSE CONTAMINATION IS SUSPECTED: 1

LOCATIONS OF KNOWN OR POTENTIAL TERRESTRIAL SENSITIVE ENVIRONMENTS: None

5. AIR PATHWAY:

What is the likelihood that a release of hazardous substances are migrating from the site to the air? Not likely.

If a release is not suspected proceed to B.

a. CHARACTERISTICS

POPULATIONS WITHIN 4 MILES:

DISTANCE TO NEAREST INDIVIDUAL:

LOCATIONS OF KNOWN OR POTENTIAL SENSITIVE ENVIRONMENTS WITHIN 0 TO 1/4 MILE AND 1/4 TO 1/2 MILE:

B. REMOVAL CRITERIA

IS THERE A RELEASE AS DEFINED BY THE NCP?

YES X or NO

EXPLAIN:

(A RELEASE is defined as any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment of barrels, containers, and other closed receptacles containing any hazardous substances or pollutant or contaminant), but excludes: workplace exposures; engine exhaust emissions; nuclear releases otherwise regulated; and the normal application of fertilizer. For purposes of the NCP, release also means threat of release.[40 CFR 300.410(e)])

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B. REMOVAL CRITERIA (continued):

IS THE SOURCE A FACILITY OR VESSEL AS DEFINED BY THE NCP?

YES X or NO

EXPLAIN:

(A FACILITY is defined as any building, structure, installation, equipment, pipe or pipeline (including any pipe into a sewer or POTW), well, pit, pond, lagoon, impoundment, ditch, landfill, storage container, motor vehicle, rolling stock, or aircraft or any site or area, where a hazardous substance has been deposited, stored, disposed of, or placed, or otherwise come to be located; but does not include any consumer product in consumer use or any vessel. A VESSEL is defined as any description of watercraft or other artificial contrivance used, or capable of being used, as a means of transportation on water other than a public vessel. [40 CFR 300.410(e)]

DOES THE RELEASE INVOLVE A HAZARDOUS SUBSTANCE, POLLUTANT YES X or NO
OR CONTAMINANT AS DEFINED BY THE NCP?

EXPLAIN:

(A HAZARDOUS SUBSTANCE means any substance, element, compound, mixture, solution, hazardous waste, toxic pollutant, hazardous air pollutant, or imminently hazardous chemical substance or mixture designated pursuant to the CWA, CERCLA, SDWA, CAA or TSCA. The term does not include petroleum products, natural gas, natural gas liquids, liquefied natural gas, synthetic gas or mixtures of natural and synthetic gas. The definition of POLLUTANT or CONTAMINANT includes, but is not limited to, any element, substance, compound, or mixture, including disease-causing agents, which after release into the environment and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will or may reasonably be anticipated to cause death, disease, behavioral abnormalities, cancer, genetic mutation, physiological malfunctions or physical deformations, in such organisms or their offspring. The term does not include petroleum products, natural gas, natural gas liquids, liquefied natural gas, synthetic gas or mixtures of natural and synthetic gas.) [40 CFR 300.410(e)]

IS THE RELEASE SUBJECT TO THE LIMITATIONS ON RESPONSE? YES X or NO

EXPLAIN:

(The LIMITATIONS ON RESPONSE provisions of the NCP (40 CFR 300.400(B) states that removals shall not be undertaken in response to a release: of a naturally occurring substance in its unaltered or natural form; from products that are a part of the structure of, and result in exposure within, residential buildings or business or community structures; or into public or private drinking water supplies due to deterioration of the system through ordinary use.) [40 CFR 300.410(e)]

DOES THE QUANTITY OR CONCENTRATION WARRANT RESPONSE?

YES X or NO

EXPLAIN: But not large enough for the CERCLA program

[40 CFR 300.410(e)]

HAS A PRP BEEN IDENTIFIED? (Include name, address and telephone number) YES X or NO

EXPLAIN: Previous Operator

Current Owner: C&M Ag

[40 CFR 300.410(e)]

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B. REMOVAL CRITERIA (continued):

IS THERE AN ACTUAL OR POTENTIAL EXPOSURE TO HAZARDOUS SUBSTANCES OR POLLUTANTS, OR CONTAMINANTS? YES or NO

EXPLAIN:

IS THERE ACTUAL OR A POTENTIAL FOR CONTAMINATION OF DRINKING WATER SUPPLIES? YES or NO

EXPLAIN: Only the non productive sand lenses in the area of the site.

ARE THERE HAZARDOUS SUBSTANCES, POLLUTANTS, OR CONTAMINANTS IN DRUMS, BARRELS, OR BULK STORAGE CONTAINERS? YES or NO

EXPLAIN:

ARE THERE HIGH LEVELS OF HAZARDOUS SUBSTANCES, POLLUTANTS, OR CONTAMINANTS IN NEAR-SURFACE SOILS? YES or NO

EXPLAIN:

("High levels" may be determined by streamlined risk assessments, health consultations, state or federal soil screening criteria, and/or Superfund program policies or directives.)

ARE THERE CONDITIONS ON SITE WHICH MAY BE SUSCEPTIBLE TO IMPACT FROM ADVERSE WEATHER CONDITIONS? YES or NO

EXPLAIN:

IS THERE A THREAT OF FIRE OR EXPLOSION? YES or NO

EXPLAIN:

IS THERE A POTENTIAL FOR OTHER FEDERAL OR STATE RESPONSE MECHANISMS? YES or NO
IF SO, IDENTIFY THE APPROPRIATE PROGRAM:

RCRA NRC FIFRA UST OTHER FEDERAL () STATE DEFERRAL

EXPLAIN:

ARE THERE OTHER SITUATIONS OR FACTORS WHICH WARRANT FURTHER SUPERFUND RESPONSE? YES or NO

EXPLAIN:

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VI. SUPERFUND SITE SCREENING FINDINGS AND RECOMMENDATIONS:

NO FURTHER SUPERFUND RESPONSE ACTION REQUIRED - SUPERFUND CERCLIS ENTRY NOT WARRANTED

(Cite the appropriate criteria from SECTION V as the basis for the above determination.)

Yes	No	Unknown	Issue	Yes	No	Unknown	Issue
X			Ground Water Pathway Threat	X			Direct Exposure Pathway Threat
	X		Surface Water Pathway Threat		X		Air Pathway Threat
	X		Release Or Threat Of Release	X			A Facility Or Vessel
	X		Hazardous Substance, Pollutant, or Contaminant		X		Subject To Response Limitations
	X		Quantity Or Concentration Warrant Response	X			Exposure To Hazardous Substances Or Pollutants Or Contaminants
X			Drums, Barrels Or Bulk Containers Present		X		High Levels Of Contaminants In Surface Soils
	X		Site Susceptible To Adverse Weather Conditions		X		Threat Of Fire Or Explosion
X			Willing/Capable PRP Response	X			Referred To Another Program

COMMENT: The site has documented groundwater and soil contamination above action levels but not at levels to warrant further Superfund action, but action is warranted at the State level.

REMOVAL ACTION RECOMMENDED: EMERGENCY TIME-CRITICAL NON-TIME-CRITICAL

(Cite one or more of the conditions or factors from Section V. REMOVAL CRITERIA, as a basis for recommending that a removal action be conducted.)

Yes	No	Unknown	Issue	Yes	No	Unknown	Issue
X			Exposure To Hazardous Substances Or Pollutants Or Contaminants	X			Actual Or A Potential For Contamination Of Drinking Water Supplies
X			Drums, Barrels Or Bulk Containers Present		X		High Levels of Contaminants Near-Surface Soils
	X		Site Susceptible To Adverse Weather Conditions		X		Fire/Explosion Threat
	X		Other Response Mechanism		X		Other Factors

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COMMENT:

VI. SUPERFUND SITE SCREENING RECOMMENDATIONS (continued):

ADDITIONAL INTEGRATED ASSESSMENT RECOMMENDED

(Cite the appropriate criteria from Section V as a basis for recommending that additional site evaluation be performed.)

Yes	No	Unknown	Issue	Yes	No	Unknown	Issue
			Ground Water Pathway Threat				Direct Exposure Pathway Threat
			Surface Water Pathway Threat				Air Pathway Threat
			Release Or Threat Of Release				A Facility Or Vessel
			Hazardous Substance, Pollutant, or Contaminant				Subject To Response Limitations
			Quantity Or Concentration Warrant Response				Exposure To Hazardous Substances Or Pollutants Or Contaminants
			Drums, Barrels Or Bulk Containers Present				High Levels Of Contaminants In Surface Soils
			Site Susceptible To Adverse Weather Conditions				Threat Of Fire Or Explosion
			Willing/Capable PRP Response				Referred To Another Program

COMMENT:

VII. ADDITIONAL INFORMATION OR COMMENTS

DNR USE ONLY

REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

VIII. DETERMINATION

SIGNATURE:

Deborah JESS/IDNR
Name/Title/Office

DATE:

01-22-02