Ohio EPA

US EPA RECORDS CENTER REGION 5
511686

Re: Crawford County
Eckhardt List Investigation
Solid Waste

Swan Hose Division
Amerace Corporation
Mr. Robert Jacobson CSP
Beal Avenue, P.O. Box 311
Bucyrus, OH 44820

January 28, 1980

Dear Mr. Jacobson:

On January 10, 1980, we made a joint inspection of the old landfill, located on St. Rt. 96 northeast of Bucyrus used by Swan Hose Division, Bucyrus. This site has not been used for several years and there are no plans for use, as a landfill, in the future. I was also assured that the only material disposed in this site was scrap rubber and plastic hose. The site had final earth cover and a vegatative cover which appeared satisfactory. At this time we find the site to present no immanent health hazards.

If you have any question, please call.

Yours truly,

Joseph D. Morehart

Joseph D. Morehart
Environmental Scientist

kar

cc: Crawford Co. Health Dept.
cc: File

RECEIVED
JAN 28 1980
OHIO EPA
N.W.D.O.

cc. [illegible]

State of Ohio Environmental Protection Agency
Northwest District Office
1035 Devlac Grove Drive, Bowling Green, Ohio 43402 • (419) 352-8461

James A. Rhodes, Governor
James F. McAvoy, Director

Anchor Swan
Receiving Dock #3
Beal Avenue Reclaim Plt.
Bucyrus, Ohio 44820

Attn: Mr. Robert Jacobson

Samples Received: 12/27/82

Date: February 16, 1983

Project Number: 5848

Results reported in mg/l

AMENDED REPORT

ERG-Cleve Sample ID	Anchor Swan Sample ID #	Zinc	Lead	Hardness ($CaCO_2$)
19,653	1	0.57	<0.030	175
19,654	2	0.064	<0.030	150
19,655	3	0.18	<0.030	300
19,656	4	0.16	<0.030	460
19,657	5	0.18	<0.030	620

Anchor Swan Corp.
Receiving Dock #3
Beal Ave. Reclaim Plt.
Bucyrus, Ohio 44820

Project #: 5848

Date: February 14,1983

Attn:: Mr. Robert Jacobson

Samples received: 12/27/82

ERG Cleve Sample ID	Anchor Swan Sample ID #	Volatile Organics-GC/MS Parameter	Results
19,654	2	Benzene	<0.002 mg/l
19,656	4	Trichlorethene	0.002 mg/l ppm

All other Volatile Organics Non-detectable.
Detection Level of 0.002 mg/l

Certified by: Art Czabaniuk/me
Art Czabaniuk
Laboratory Manager

FOR LAB USE:
LAB NO.: 357-83
CASE NO.: I 0017

AQUA TECH ENVIRONMENTAL CONSULTANTS, INC.

Biological Branch: P. O. Box 76, Melmore, Ohio 44845, 419-397-2659 or 397-2222
Chemical Branch: P. O. Box 436, 181 South Main Street, Marion, Ohio 43302, 614-382-5591

FOR LAB USE:
RECEIVED BY: MAB
DATE: 2-10-83
TIME: 1500
REPORTED BY:
DATE: 2/17/83

LABORATORY ANALYSIS REPORT
(Please print or type)

COLLECTION DATA:
COLLECTOR: PLANT PERS SIGNATURE: TITLE:
ESTABLISHMENT: ANCHOR SWAN LOCATION: POND N W SIDE
ADDRESS: BUCYRUS
SAMPLE NO.: 1 BOTTLE NO.: 1 SAMPLE DATE: — TIME: —
TELEPHONE NUMBER: RESIDENCE: BUSINESS:

REASON FOR TAKING SAMPLE - ADDITIONAL INFORMATION - REMARKS BY ANALYST

PRESERVATIVE
☐ Na OH ☐ $CuSO_4$
☐ H_2SO_4 ☐ HNO_3
☐ REFRIGERATION ☐ OTHER

REPORT RETURN ADDRESS

ROBERT JACOBSON
ANCHOR SWAN CORP.
BEAL AVENUE
BUCYRUS, OHIO 44820

WATER SOURCE (INDICATE BY CHECKING BOXES)

FINISHED	RAW	WASTE
___ COMMUNITY	___ GROUND (WELL)	___ DOMESTIC
___ NON-COMMUNITY	___ SURFACE	___ INDUSTRIAL
___ PRIVATE SUPPLY	RECREATIONAL	___ OTHER (SPECIFY):
___ PLANT	___ BEACH	
___ DISTRIBUTION SYSTEM	___ SWIMMING POOL	
___ RESAMPLE	___ OTHER ______	

PRESERVATIVE:

Parameter	Unit	Parameter	Result	Unit
R (OR INDICATE BY CHECKING BOXES)		☐ Sulfite, SO_3		mg/l
Flow	cfs	☐ Sulfide, S		mg/l
Water, Temp, Field	°C °F	☐ Chloride, Cl		mg/l
pH, Field	S. U.	☐ Flouride, Diss, F		mg/l
Diss. Oxygen, Field	mg/l	☐ Flouride, Total, F		mg/l
Hydrogen Sulfide, Field	mg/l	☐ Calcium, Total, Ca		mg/l
Free Chlorine, Field	mg/l	☐ Magnesium, Total, Mg		mg/l
Total Chlorine, Field	mg/l	☐ Potassium, Total, K		mg/l
Color	Pt-Co	☐ Potassium, K_2O		mg/l
Odor Threshold	T.N.	☐ Sodium, Total, Na		mg/l
Turbidity	NTU	☐ Aluminum, Total, Al		ug/l
Conductivity, Field	U-MHO	☐ Antimony, Total, Sb		ug/l
pH, Lab	S. U.	☐ Arsenic, Total, As		ug/l
pH, $CaCO_3$ Stability	S. U.	☒ Barium, Total, Ba	<100	ug/l
Alkalinity, Total, $CaCO_3$	mg/l	☐ Beryllium, Total, Be		ug/l
Alkalinity, pH 8.3, $CaCO_3$	mg/l	☐ Bismuth, Total, Bi		ug/l
Alkalinity, $CaCO_3$ Stabl	mg/l	☐ Boron, Total, B		ug/l
Carbon Dioxide, CO_2	mg/l	☒ Cadmium, Total, Cd	<4	ug/l
Acidity Total, $CaCO_3$	mg/l	☐ Chromium, Total, Cr		ug/l
Acidity, pH 4.5, $CaCO_3$	mg/l	☐ Chromium, Hex, Cr:		ug/l
Hardness, Total, $CaCO_3$	mg/l	☐ Cobalt, Total, Co		ug/l
Hardness, Calcium, $CaCO_3$	mg/l	☐ Copper, Total, Cu		ug/l
Residue, Total (TS)	% mg/l	☒ Iron, Total, Fe	7680	ug/l
Residue, T Volatile	% mg/l	☐ Iron, Diss, Fe		ug/l
Residue, T Nflt (SUS)	% mg/l	☐ Iron, Ferrous, Fe		ug/l
Residue, Vol Nflt	% mg/l	☒ Lead, Total, Pb	<10	ug/l
Residue, T Flt (Diss)	% mg/l	☐ Lithium, Total, Li		ug/l
Residue, Vol Flt	% mg/l	☐ Manganese, Total, Mn		ug/l
Residue, Settleable	mg/l	☒ Mercury, Total, Hg	<0.2	ug/l
Nitrogen, Organic, N	mg/l	☐ Molybdenum, Total, Mo		ug/l
Nitrogen, Ammonia, N	mg/l	☐ Nickel, Total, Ni		ug/l
TKN	mg/l	☒ Selenium, Total, Se	<3	ug/l
Nitrite N	mg/l	☒ Silver, Total, Ag	<10	ug/l
Nitrate N	mg/l	☐ Thallium, Total, Tl		ug/l
Nirate + Nitrite N	mg/l	☐ Tin, Total, Sn		ug/l
Phosphorus, Total, P	mg/l	☐ Titanium, Total, Ti		ug/l
Phosphorus, Total, PO_4	mg/l	☐ Vanadium, Total, V		ug/l
Phosphorus, Ortho, P	mg/l	☒ Zinc, Total, Zn	60	ug/l
Phosphorus, Ortho, PO_4	mg/l	☐ Zirconium, Total, Zr		ug/l
Sulfate SO_4	mg/l	☐ BOD, 5-Day		mg/l

Parameter	Unit
☐ COD	mg/l
☐ Chlorine Demand, 15 Min	mg/l
☐ Carbon, Total Org, C	mg/l
☐ Cyanide, Total, CN	mg/l
☐ Cyanide, Amenable, CN	mg/l
☐ MBAS	mg/l
☐ Oil/Grease, Grav	mg/l
☐ Oil/Grease, IR	mg/l
☐ Phenols	mg/l
☐ Conductivity, Lab	U-MHO
☐ Pseudomonas aeruginosa	#/100 ml
☐ Staphylococcus aureus	#/100 ml
☐ Coliform, Total, MF	#/100 ml
☐ Coliform, Total, MPN	#/100 ml
☐ Fecal Coliform, MF	#/100 ml
☐ Fecal Strep, Total, MF	#/100 ml
☐ Plate Count, Total	#ml
☐	
☐	
☐	

POTABLE WATER

___ SAFE
___ UNSAFE
___ NO DESIGNATION
___ NOT ANALYZED
___ HIGH BACKGROUND COUNT
___ CONFLUENT GROWTH
___ LABORATORY ACCIDENT
___ SAMPLE TOO OLD
___ SAMPLE OVER 30 HOURS
___ LEAKED/BROKEN IN TRANSIT
___ RESIDUAL CHLORINE
___ INSUFFICIENT SAMPLE
___ INCOMPLETE INFORMATION

RECEIVED ... OHIO EPA ... D.O. (stamp)

CERTIFIED MICROBIOLOGY LAB #834
CERTIFIED CHEMISTRY LAB #4053
SIGNED: Jeffrey A. Smith

COPY DISTRIBUTION: PINK – OFFICE YELLOW – LABORATORY WHITE – OWNER, PURVEYOR, OR AGENCY

FOR LAB USE:
LAB NO.: 358-83
CASE NO.: E0017

AQUA TECH
ENVIRONMENTAL CONSULTANTS, INC.

Biological Branch: P. O. Box 76, Melmore, Ohio 44845, 419-397-2659 or 397-2222
Chemical Branch: P. O. Box 436, 181 South Main Street, Marion, Ohio 43302, 614-382-5591

FOR LAB USE:
RECEIVED BY: MAB
DATE: 2-10-83
TIME: 1500
REPORTED BY:
DATE: 2/17/83

LABORATORY ANALYSIS REPORT
(Please print or type)

COLLECTION DATA:
COLLECTOR: SIGNATURE: TITLE:
ESTABLISHMENT: ANCHOR SWAV LOCATION: #2 RIVER WEST END
ADDRESS:
SAMPLE NO.: 2 BOTTLE NO.: 2 SAMPLE DATE: TIME:
TELEPHONE NUMBER: RESIDENCE: BUSINESS:

REASON FOR TAKING SAMPLE - ADDITIONAL INFORMATION - REMARKS BY ANALYST

PRESERVATIVE
- ☐ Na OH
- ☐ $CuSO_4$
- ☐ H_2SO_4
- ☐ H NO_3
- ☐ REFRIGERATION
- ☐ OTHER

REPORT RETURN ADDRESS

WATER SOURCE (INDICATE BY CHECKING BOXES)

FINISHED
- ___ COMMUNITY
- ___ NON-COMMUNITY
- ___ PRIVATE SUPPLY
- ___ PLANT
- ___ DISTRIBUTION SYSTEM
- ___ RESAMPLE

RAW
- ___ GROUND (WELL)
- ___ SURFACE

RECREATIONAL
- ___ BEACH
- ___ SWIMMING POOL
- ___ OTHER ___

WASTE
- ___ DOMESTIC
- ___ INDUSTRIAL
- ___ OTHER (SPECIFY): ___

PRESERVATIVE:

☐ A (OR INDICATE BY CHECKING BOXES)		☐ Sulfite, SO_3		mg/l	☐ COD		mg/l
☐ Flow	cfs	☐ Sulfide, S		mg/l	☐ Chlorine Demand, 15 Min		mg/l
☐ Water, Temp, Field	°C °F	☐ Chloride, Cl		mg/l	☐ Carbon, Total Org, C		mg/l
☐ pH, Field	S. U.	☐ Flouride, Diss, F		mg/l	☐ Cyanide, Total, CN		mg/l
☐ Diss. Oxygen, Field	mg/l	☐ Flouride, Total, F		mg/l	☐ Cyanide, Amenable, CN		mg/l
☐ Hydrogen Sulfide, Field	mg/l	☐ Calcium, Total, Ca		mg/l	☐ MBAS		mg/l
☐ Free Chlorine, Field	mg/l	☐ Magnesium, Total, Mg		mg/l	☐ Oil/Grease, Grav		mg/l
☐ Total Chlorine, Field	mg/l	☐ Potassium, Total, K		mg/l	☐ Oil/Grease, IR		mg/l
☐ Color	Pt-Co	☐ Potassium, K_2O		mg/l	☐ Phenols		mg/l
☐ Odor Threshold	T.N.	☐ Sodium, Total, Na		mg/l	☐ Conductivity, Lab		U-MHO
☐ Turbidity	NTU	☐ Aluminum, Total, Al		ug/l	☐ Pseudomonas aeruginosa		#/100 ml
☐ Conductivity, Field	U-MHO	☐ Antimony, Total, Sb		ug/l	☐ Staphylococcus aureus		#/100 ml
☐ pH, Lab	S. U.	☐ Arsenic, Total, As		ug/l	☐ Coliform, Total, MF		#/100 ml
☐ pH, $CaCO_3$ Stability	S. U.	☒ Barium, Total, Ba	120	ug/l	☐ Coliform, Total, MPN		#/100 ml
☐ Alkalinity, Total, $CaCO_3$	mg/l	☐ Beryllium, Total, Be		ug/l	☐ Fecal Coliform, MF		#/100 ml
☐ Alkalinity, pH 8.3, $CaCO_3$	mg/l	☐ Bismuth, Total, Bi		ug/l	☐ Fecal Strep, Total, MF		#/100 ml
☐ Alkalinity, $CaCO_3$ Stabl	mg/l	☐ Boron, Total, B		ug/l	☐ Plate Count, Total		# ml
☐ Carbon Dioxide, CO_2	mg/l	☒ Cadmium, Total, Cd	<4	ug/l	☐		
☐ Acidity Total, $CaCO_3$	mg/l	☐ Chromium, Total, Cr		ug/l	☐		
☐ Acidity, pH 4.5, $CaCO_3$	mg/l	☐ Chromium, Hex, Cr		ug/l	☐		
☐ Hardness, Total, $CaCO_3$	mg/l	☐ Cobalt, Total, Co		ug/l			
☐ Hardness, Calcium, $CaCO_3$	mg/l	☐ Copper, Total, Cu		ug/l			
☐ Residue, Total (TS)	% mg/l	☒ Iron, Total, Fe	540	ug/l			
☐ Residue, T Volatile	% mg/l	☐ Iron, Diss, Fe		ug/l			
☐ Residue, T Nflt (SUS)	% mg/l	☐ Iron, Ferrous, Fe		ug/l			
☐ Residue, Vol Nflt	% mg/l	☒ Lead, Total, Pb	<10	ug/l			
☐ Residue, T Flt (Diss)	% mg/l	☐ Lithium, Total, Li		ug/l			
☐ Residue, Vol Flt	% mg/l	☐ Manganese, Total, Mn		ug/l			
☐ Residue, Settleable	mg/l	☒ Mercury, Total, Hg	<0.2	ug/l			
☐ Nitrogen, Organic, N	mg/l	☐ Molybdenum, Total, Mo		ug/l			
☐ Nitrogen, Ammonia, N	mg/l	☐ Nickel, Total, Ni		ug/l			
☐ TKN	mg/l	☒ Selenium, Total, Se	<3	ug/l			
☐ Nitrite N	mg/l	☒ Silver, Total, Ag	<10	ug/l			
☐ Nitrate N	mg/l	☐ Thallium, Total, Tl		ug/l			
☐ Nirate + Nitrite N	mg/l	☐ Tin, Total, Sn		ug/l			
☐ Phosphorus, Total, P	mg/l	☐ Titanium, Total, Ti		ug/l			
☐ Phosphorus, Total, PO_4	mg/l	☐ Vanadium, Total, V		ug/l			
☐ Phosphorus, Ortho, P	mg/l	☒ Zinc, Total, Zn	4	ug/l			
☐ Phosphorus, Ortho, PO_4	mg/l	☐ Zirconium, Total, Zr		ug/l			
☐ Sulfate SO_4	mg/l	☐ BOD, 5-Day		mg/l			

POTABLE WATER
- ___ SAFE
- ___ UNSAFE
- ___ NO DESIGNATION
- ___ NOT ANALYZED
- ___ HIGH BACKGROUND COUNT
- ___ CONFLUENT GROWTH
- ___ LABORATORY ACCIDENT
- ___ SAMPLE TOO OLD
- ___ SAMPLE OVER 30 HOURS
- ___ LEAKED/BROKEN IN TRANSIT
- ___ RESIDUAL CHLORINE
- ___ INSUFFICIENT SAMPLE
- ___ INCOMPLETE INFORMATION

CERTIFIED MICROBIOLOGY LAB #834
CERTIFIED CHEMISTRY LAB #4053
SIGNED: Jeffrey A. Smith

COPY DISTRIBUTION: PINK – OFFICE YELLOW – LABORATORY WHITE – OWNER, PURCHASER OR AGENCY

FOR LAB USE:
LAB NO.: 359-83
CASE NO.: 10017

AQUA TECH
ENVIRONMENTAL CONSULTANTS, INC.

Biological Branch: P. O. Box 76, Melmore, Ohio 44845, 419-397-2659 or 397-2222
Chemical Branch: P. O. Box 436, 181 South Main Street, Marion, Ohio 43302, 614-382-5591

FOR LAB USE:
RECEIVED BY: MAB
DATE: 2-10-83
TIME: 1500
REPORTED BY:
DATE: 2/17/83

LABORATORY ANALYSIS REPORT
(Please print or type)

COLLECTION DATA:

COLLECTOR: SIGNATURE: TITLE:
ESTABLISHMENT: ANCHOR SWAN LOCATION: #3 RIVER EAST END
ADDRESS:
SAMPLE NO.: 3 BOTTLE NO.: 3 SAMPLE DATE: TIME:
TELEPHONE NUMBER: RESIDENCE: BUSINESS:

REASON FOR TAKING SAMPLE - ADDITIONAL INFORMATION - REMARKS BY ANALYST

PRESERVATIVE
- ☐ Na OH
- ☐ $CuSO_4$
- ☐ H_2SO_4
- ☐ HNO_3
- ☐ REFRIGERATION
- ☐ OTHER

REPORT RETURN ADDRESS

WATER SOURCE (INDICATE BY CHECKING BOXES)

FINISHED
- ___ COMMUNITY
- ___ NON-COMMUNITY
- ___ PRIVATE SUPPLY
- ___ PLANT
- ___ DISTRIBUTION SYSTEM
- ___ RESAMPLE

RAW
- ___ GROUND (WELL)
- ___ SURFACE

RECREATIONAL
- ___ BEACH
- ___ SWIMMING POOL
- ___ OTHER ___

WASTE
- ___ DOMESTIC
- ___ INDUSTRIAL
- ___ OTHER (SPECIFY): ___

PRESERVATIVE:

☐ B (OR INDICATE BY CHECKING BOXES)		☐ Sulfite, SO_3		mg/l	☐ COD		mg/l
☐ Flow	cfs	☐ Sulfide, S		mg/l	☐ Chlorine Demand, 15 Min		mg/l
☐ Water, Temp, Field	°C °F	☐ Chloride, Cl		mg/l	☐ Carbon, Total Org, C		mg/l
☐ pH, Field	S. U.	☐ Flouride, Diss, F		mg/l	☐ Cyanide, Total, CN		mg/l
☐ Diss. Oxygen, Field	mg/l	☐ Flouride, Total, F		mg/l	☐ Cyanide, Amenable, CN		mg/l
☐ Hydrogen Sulfide, Field	mg/l	☐ Calcium, Total, Ca		mg/l	☐ MBAS		mg/l
☐ Free Chlorine, Field	mg/l	☐ Magnesium, Total, Mg		mg/l	☐ Oil/Grease, Grav		mg/l
☐ Total Chlorine, Field	mg/l	☐ Potassium, Total, K		mg/l	☐ Oil/Grease, IR		mg/l
☐ Color	Pt-Co	☐ Potassium, K_2O		mg/l	☐ Phenols		mg/l
☐ Odor Threshold	T.N.	☐ Sodium, Total, Na		mg/l	☐ Conductivity, Lab		U-MHO
☐ Turbidity	NTU	☐ Aluminum, Total, Al		ug/l	☐ Pseudomonas aeruginosa		#/100 ml
☐ Conductivity, Field	U-MHO	☐ Antimony, Total, Sb		ug/l	☐ Staphylococcus aureus		#/100 ml
☐ pH, Lab	S. U.	☐ Arsenic, Total, As		ug/l	☐ Coliform, Total, MF		#/100 ml
☐ pH, $CaCO_3$ Stability	S. U.	☒ Barium, Total, Ba	<100	ug/l	☐ Coliform, Total, MPN		#/100 ml
☐ Alkalinity, Total, $CaCO_3$	mg/l	☐ Beryllium, Total, Be		ug/l	☐ Fecal Coliform, MF		#/100 ml
☐ Alkalinity, pH 8.3, $CaCO_3$	mg/l	☐ Bismuth, Total, Bi		ug/l	☐ Fecal Strep, Total, MF		#/100 ml
☐ Alkalinity, $CaCO_3$ Stabl	mg/l	☐ Boron, Total, B		ug/l	☐ Plate Count, Total		# ml
Carbon Dioxide, CO_2	mg/l	☒ Cadmium, Total, Cd	<4	ug/l	☐		
☐ Acidity Total, $CaCO_3$	mg/l	☐ Chromium, Total, Cr		ug/l	☐		
☐ Acidity, pH 4.5, $CaCO_3$	mg/l	☐ Chromium, Hex, Cr;		ug/l	☐		
☐ Hardness, Total, $CaCO_3$	mg/l	☐ Cobalt, Total, Co		ug/l			
Hardness, Calcium, $CaCO_3$	mg/l	☐ Copper, Total, Cu		ug/l			
Residue, Total (TS)	% mg/l	☒ Iron, Total, Fe	530	ug/l			
Residue, T Volatile	% mg/l	☐ Iron, Diss, Fe		ug/l			
Residue, T Nflt (SUS)	% mg/l	☐ Iron, Ferrous, Fe		ug/l			
Residue, Vol Nflt	% mg/l	☒ Lead, Total, Pb	<10	ug/l			
Residue, T Flt (Diss)	% mg/l	☐ Lithium, Total, Li		ug/l			
Residue, Vol Flt	% mg/l	☐ Manganese, Total, Mn		ug/l			
Residue, Settleable	mg/l	☒ Mercury, Total, Hg	<0.2	ug/l			
Nitrogen, Organic, N	mg/l	☐ Molybdenum, Total, Mo		ug/l			
Nitrogen, Ammonia, N	mg/l	☐ Nickel, Total, Ni		ug/l			
TKN	mg/l	☒ Selenium, Total, Se	<3	ug/l			
Nitrite N	mg/l	☒ Silver, Total, Ag	<10	ug/l			
Nitrate N	mg/l	☐ Thallium, Total, Tl		ug/l			
Nitrate + Nitrite N	mg/l	☐ Tin, Total, Sn		ug/l			
Phosphorus, Total, P	mg/l	☐ Titanium, Total, Ti		ug/l			
Phosphorus, Total, PO_4	mg/l	☐ Vanadium, Total, V		ug/l			
Phosphorus, Ortho, P	mg/l	☒ Zinc, Total, Zn	<4	ug/l			
Phosphorus, Ortho, PO_4	mg/l	☐ Zirconium, Total, Zr		ug/l			
Sulfate SO_4	mg/l	☐ BOD, 5-Day		mg/l			

POTABLE WATER
- ___ SAFE
- ___ UNSAFE
- ___ NO DESIGNATION
- ___ NOT ANALYZED
- ___ HIGH BACKGROUND COUNT
- ___ CONFLUENT GROWTH
- ___ LABORATORY ACCIDENT
- ___ SAMPLE TOO OLD
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- ___ RESIDUAL CHLORINE
- ___ INSUFFICIENT SAMPLE
- ___ INCOMPLETE INFORMATION

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CERTIFIED CHEMISTRY LAB #4053
SIGNED: Jeffrey A. Smith

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