

NPDES
ELECTRONIC
SELF
PERMIT
STANDARDIZATION
MONITORING
REPORTING

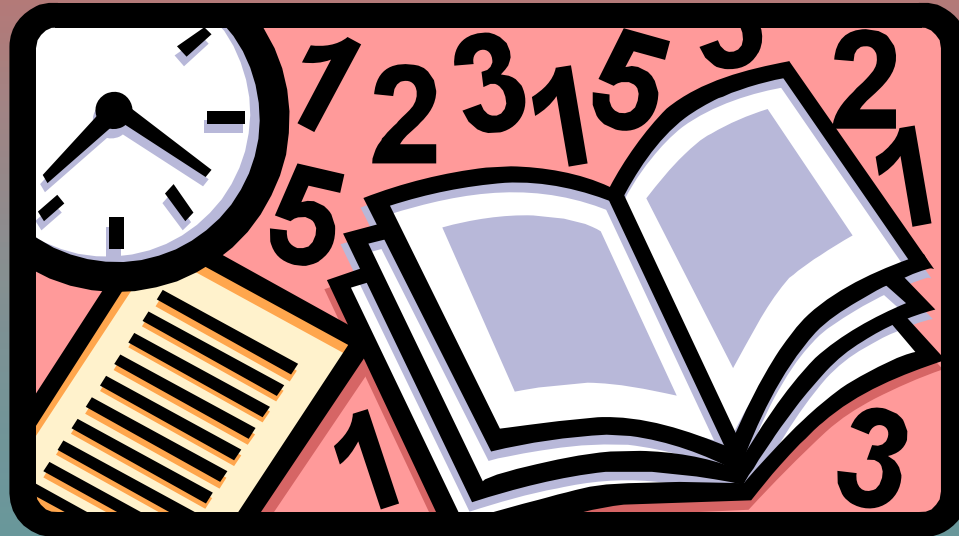
Overall Project

- Partial funding from EPA
- Initiated creation of CIWQS
- A module of which is eSMR
- Feasibility of which depends on standard permits



CIWQS

- Database to track *permits*, *parties*, *places*, and their associated information.



CIWQS

eSMR

GeoWBS

GeoWBS

- Geo Waterbody System
- GIS based
- Tracks Water Quality Assessments

eSMR

- System for receiving self-monitoring reports via the internet
- Initially only for individual (non-MS4) NPDES permits

eSMR

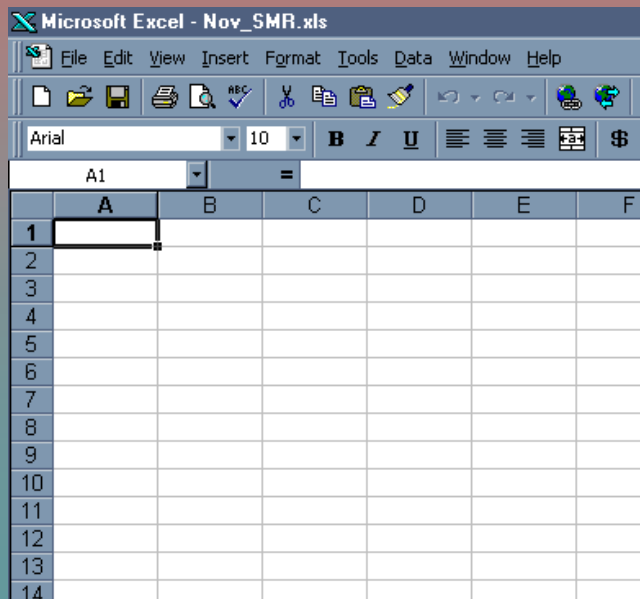
- Permit requirements are coded into the system
- Discharger responds
 - Narrative
 - Numeric
 - Pre-calculated limits
 - Pre-calculated results (summary data)



eSMR

Data Input

- Raw Data
- CDF (CIWQS Data Format)
- EDF (Electronic Deliverable Format)



The image is a screenshot of a Laboratory Certificate from Michelson Laboratories, Inc. The certificate is for a product labeled "C3212-01". It includes a table of test results for various parameters such as Moisture, Protein, Fat, Ash, Carbohydrates, and Sugars. The results are presented in columns for Report #, Product / Test, Method, Result, Units, and Start Dt. The certificate also includes the company's name, address, and contact information.

Michelson Laboratories, Inc.
6280 Chalet Drive, Commerce, California 90040-3761, Telephone (562) 928-6553 / FAX (562) 927-6625

LABORATORY CERTIFICATE

Submitted By: INNOVATIVE DELIVERY SYSTEMS
572 SOUTH ECON CIR
STE. # 120
OVIEDO, FL 32765
Attn: JOENICK

Date: 11/09/2004
Lab No.: 110304-C3212
Report No.: 110304-C3212A
Order No.:
Received: 11/3/04
Page: 1 of 1

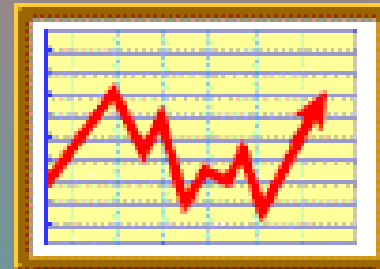
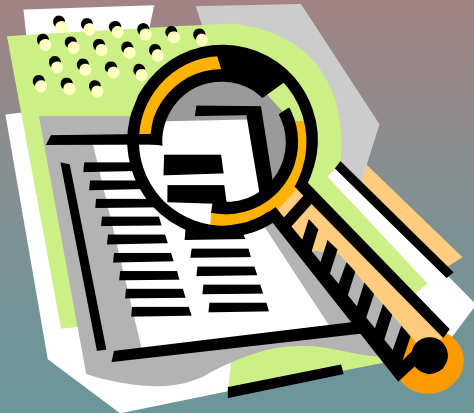
REPORT #	PRODUCT / TEST	METHOD	RESULT	UNITS	START DT
C3212-01	Product: CHOC PROTEIN				
	Summary Test CALORIES CARBOHYDRATES (FOODS)				
	MOISTURE, AIR OVEN 101C	AOAC 950.46	7.41	%	11/4/04
	PROTEIN, NITROGEN ANALYZER	AOAC 992.15, 992.23	60.66	%	11/4/04
	FAT (ACID HYDROLYSIS/ETHER EXTRACTION)	AOAC 948.15	4.96	%	11/4/04
	ASH	AOAC 923.03 (321.05)	3.87	%	11/4/04
	CARBOHYDRATES (BY DIFFERENCE)		23.10	%	11/5/04
	CALORIES PER 100G		380	/100gms	11/5/04
	Summary Test SUGAR PROFILE				
	FRUCTOSE, HPLC	AOAC 982.14	9.52	%	11/9/04
	GLUCOSE, DEXTROSE, HPLC	AOAC 982.14	NDLT 0.10	%	11/9/04
	SUCROSE, HPLC	AOAC 982.14	NDLT 0.10	%	11/9/04
	MALTOSE, HPLC	AOAC 982.14	NDLT 0.10	%	11/9/04
	LACTOSE, HPLC	AOAC 982.14	2.63	%	11/9/04

eSMR

- Check compliance
- May create allegations
- Staff to verify
- Follow-up if necessary

eSMR

Collecting data electronically will allow
for easier review of the data and
meaningful and appropriate changes to
monitoring requirements



Current Permits

- Permits drafted independently
- Different formats
- Different language
- Different requirements
- Different limits

Current Permits

- Difficult (i.e. huge task) to code each unique permit differently

So we turn to...

Permit Standardization

Permit Standardization

- Multi-phased
- More similar throughout the state
- Potential Benefits
 - eSMR
 - Streamlined permitting process
 - Reduce challenges

Permit Standardization

Phase I

- Formatting
- Findings
- Federal standard provisions

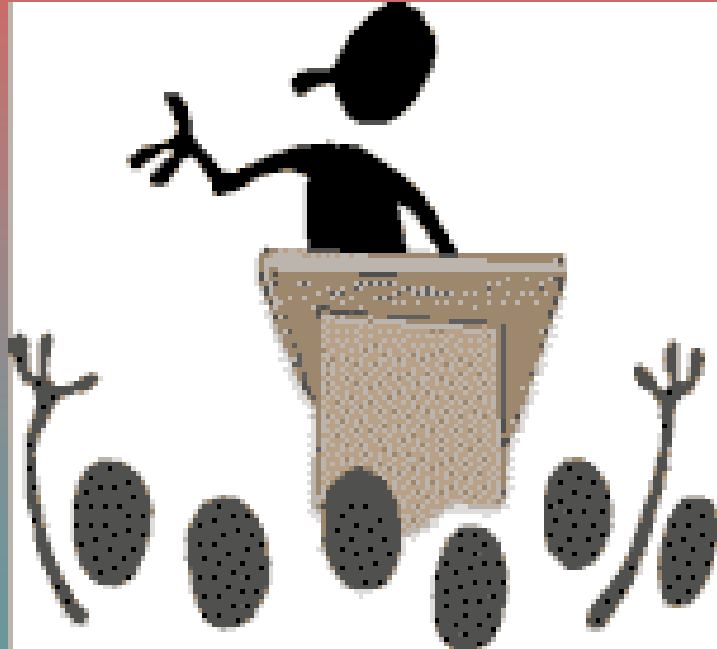
Permit Standardization

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD¶	
RE GION <#> , <Regional Water Board Name> RE GION¶	
¶	
ORDER NO. <XX-XXXX-XXX> ¶	
NPDES NO. <CAXXXXXXXX> ¶	
¶	
TABLE OF CONTENTS¶	
I. → Facility Information	4¶
II. → Findings	5¶
III. → Discharge Prohibitions	10¶
IV. → Effluent Limitations and Discharge Specifications	11¶
A. → Effluent Limitations – Discharge Point <Discharge Point Name>	11¶
B. → Land Discharge Specifications – Discharge Point <Discharge Point Name>	15¶
C. → Reclamation Specifications – Discharge Point <Discharge Point Name>	16¶
V. → Receiving Water Limitations	17¶
A. → Surface Water Limitations	17¶
B. → Groundwater Limitations	17¶
VI. → Provisions	18¶
A. → Standard Provisions	18¶
B. → Monitoring and Reporting Program Requirements	18¶
C. → Special Provisions	18¶
1. → Reopener Provisions	18¶
2. → Special Studies, Technical Reports and Additional Monitoring Requirements	18¶
3. → Best Management Practices and Pollution Prevention	18¶
4. → Compliance Schedules	18¶
5. → Construction, Operation and Maintenance Specifications	18¶
6. → Special Provisions for Municipal Facilities (POTWs Only)	19¶
7. → Other Special Provisions	19¶
VII. → Compliance Determination	20¶
A. → Average Monthly Effluent Limitation (AMEL)	20¶
B. → Average Weekly Effluent Limitation (AWEL)	20¶
C. → Maximum Daily Effluent Limitation (MDEL)	20¶
D. → Instantaneous Minimum Effluent Limitation	20¶
E. → Instantaneous Maximum Effluent Limitation	20¶
F. → Six-month Median Effluent Limitation	21¶
Attachment A – Definitions	A-1¶
Attachment B – Topographic Map	B-1¶
Attachment C – Flow Schematic	C-1¶
Attachment D – Federal Standard Provisions	D-1¶
Attachment E – Monitoring and Reporting Program (MRP)	E-1¶
Attachment F – Fact Sheet	F-1¶
¶	

Permit Standardization

Other Phases

- Language
- Policy Issues



Scheduling

- CIWQS - July 1
- eSMR - phased roll-out by Regional Board
 - Regions 7 and 8 in August
- Permit Standardization - currently being used for drafting permits



Questions

- CIWQS webpage:
<http://www.swrcb.ca.gov/ciwqs/index.html>
- CIWQS Help Center:
866-79-CIWQS (24977)
- Jarma Bennett:
jbennett@waterboards.ca.gov,
(916) 341-5532



