

THE BATAAN COAL (DEATH) MARCH

by. *DEREK V. CABE*

COAL-FREE BATAAN MOVEMENT



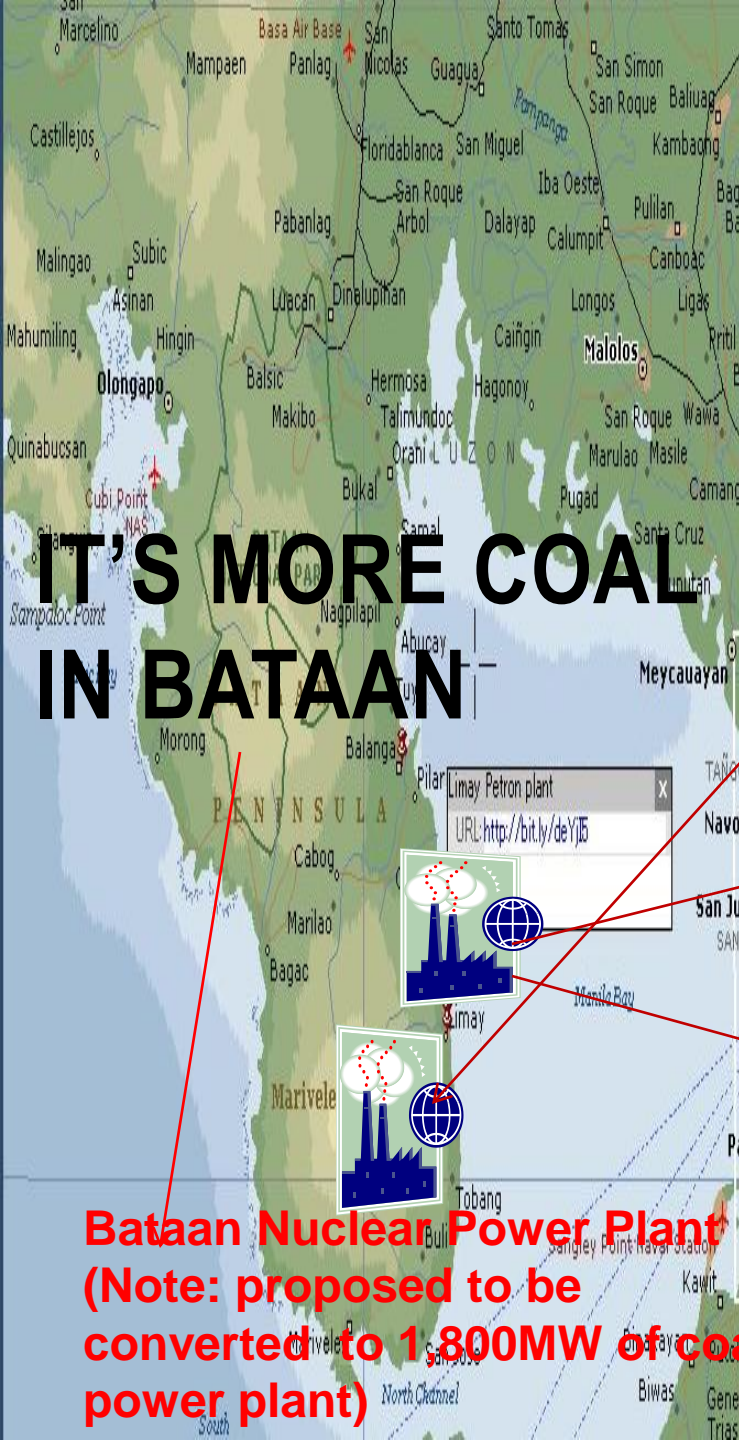
ENVI PROGRAMS



A fine of 5,000 pesos for individuals who will be caught smoking and revocation of business permit if caught selling cigarettes..



IRONICALLY...



IT'S MORE COAL IN BATAAN

Bataan Nuclear Power Plant
 (Note: proposed to be converted to 1,800MW of coal power plant)

Owner	Capacity	Area	Budget
-GN Power Sithe Global/ Ayala	- 600MW - 1,200MW Pulverized	Brgy. Alasasin, MRV	Operational (1B\$) For expansion
-Petron Refinery SMC/Petro	35MW x 4	Alangan, Limay	Operational P10.84B
-SMC	300+600mw CFB 300MW	Lamao, Limay	TEST RUN. P25.5B
-SMC	150MW x 8	Brgy. Biaan, Mariveles	P60B public scoping
-TOTAL	740 - 2,100 - 1,500	Operational On-going const Planned	
-TOTAL	4,340MW		



MARIVELES

GN Power Mariveles Coal
Project 600MW
+ 1,200mw EXPANSION



LIMAY

140MW PETRON



**SMC GLOBAL POWER
600MW + 600MW**





WAIT..THERE'S MORE..



**3 OPEN COAL STORAGE/STOCKPILE
(BRGYS. LUCANIN, SISIMAN and
BATANGAS II, MARIVELES**



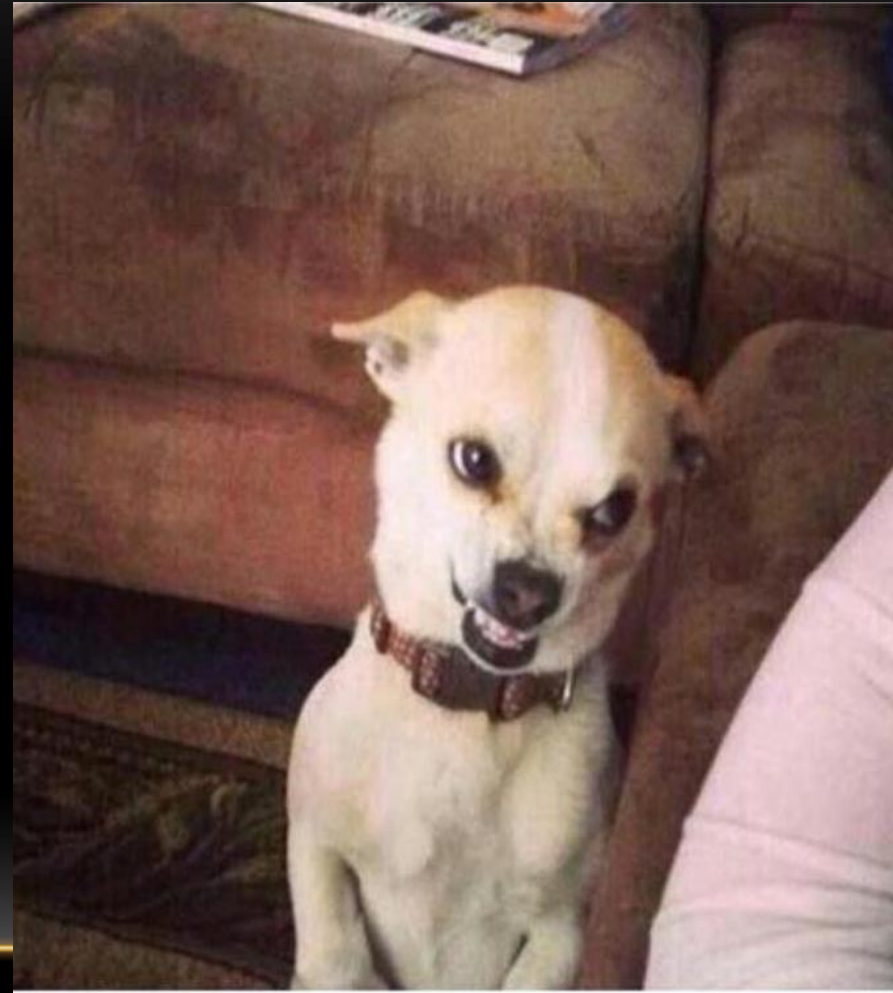
**WHAT
HAPPENED IN
LIMAY**



KA DANNY, NANAY
DIDING



GALIS-ASO?







- Temporary ash pond of SMC Global Power and Petron
- 284tons /day – ash



Ash Storage Facility

Water Zone

Image © 2016 DigitalGlobe
Data SRTM NOAA US Navy NGA GEBCO
© 2016 Google
Image © 2016 LandFrance

Google

SMC Ash Pond with Affected Residents

SMC Ash Pond with Affected Residents

Write a description for your map.

Legend

- 1 kilometer
- 250 meters
- 500 meters
- SMC Ash Pond
- Surveyed Residents



Location of the Ash Pond/Dump





VIOLATIONS

1. ECC/EIS

- ASH pond
 - design, handling of waste
- MOA between SMC /Petron
- Buffer zone
 - vegetation
 - air dispersion

modelling

2. Laws

- Clean Air Act
- Water Act
- Hazardous Waste

Act

- EIS Act

WILFREDO M. CRUZ
Regional Director
BFAR 3

THRU : **NELSON B. BIEN**
Chief - FMRED

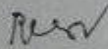
SUBJECT : **Report on the Initial Results of Analyses for the Monthly Monitoring of Oil and Grease and Heavy Metals in Limay, Bataan**

Please be informed that after the coordination and discussion with the Regional Fisheries Laboratory (RFL3) Manager, Carmencita S. Agustin and the Philippine Ports Authority, the activity was scheduled and accomplished last September 8, 2016. Site Validation, Establishment of Stations, Preliminary Sampling and On-site Water Quality Monitoring were conducted by the RFL3 Team together with representatives from the Office of the Municipal Agriculturist and the Philippine Coast Guards. Eight sampling stations were established specifically in the following areas: Lamao, Alangan (Bottom Ash Area), Barrio Luz, NPC Site, Kitang-Landing, WAPOBRE (Wawa/Poblacion/Reformista), SF1-SF2 and Saay.

Based on the results obtained, Total Oil and Grease in the water samples are within the regulatory limit as per DAO 2016-08. All water quality parameters are also generally within the ideal levels considering the environmental conditions during the time of sampling. However, it is important to note that the fish samples, locally known as Babansi and Malacapas, both collected from Alangan, were found to have high levels of Total Chromium, ~~Arsenic~~, Cadmium and Mercury exceeding the tolerable limit as per the EU and Codex Alimentarius Standards of Heavy Metals in Food. Due to the figures obtained, it is advised that the necessary precautionary measures be imposed in the said area to ensure the safety and health of the people living within the vicinity.

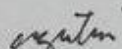
Please see attached results for the standard regulatory limits of the aforementioned heavy metals. Attached also are copies of the On-site Water Quality and Total Oil and Grease monitoring for your information and ready reference.

Prepared by:



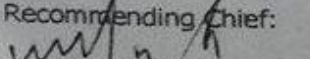
ROSALIE C. CUYUGAN
Aquaculturist I

Noted by:



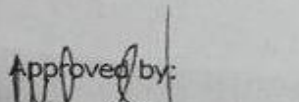
CARMENCITA S. AGUSTIN
Laboratory Manager

Recommending Chief:



NELSON B. BIEN, DFT
FMRED

Approved by:

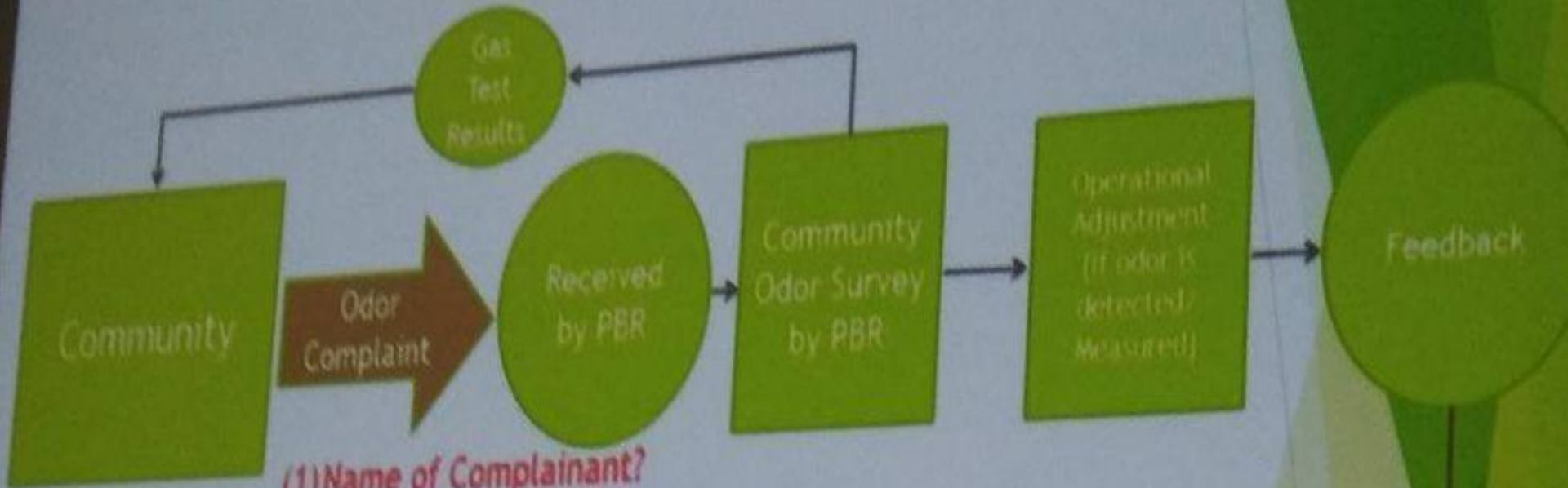


WILFREDO M. CRUZ
Regional Director

BFAR RESULT

**FISH SAMPLES
WERE FOUND TO
HAVE HIGH
LEVELS OF
TOTAL
CHROMIUM,
CADMIUM AND
MERCURY**

Odor Management



- (1) Name of Complainant?
- (2) Location
- (3) Quality of Odor
 - ? Rotten Egg (H₂S)
 - ? Burnt Rubber (Spent caustic)
 - ? Rotten Cabbage (Mercaptan)
 - ? Hydrocarbon smell (Hydrocarbon)
 - ? Burnt Matches (SO_x)
 - ? Plastic Balloon (Benzene)

Total Treated Bottom ASH	Total Bottom Ash Hauled out
7,950MT	7,550MT

Limay Health Data

Top leading causes of Morbidity 2010-2015

Source: Limay Emergency and Birthing Facility / MHO

Type of Illness/sickness	Year 2010	Year 2011	Year 2012	Year 2013	Year 2014	Year 2015
Acute Respiratory Infection/Upper Respiratory Tract Infection	9,009	9,448	13,439	7,382	3,697	12,274
Acute Respiratory Infection				2,918	1,732	
Bronchitis, ARI, Asthmatic Bronchitis		7,983	2,754			
Acute Nasopharyngitis	6,961	1,829				
Urinary track Infection	1,738	1,174	1,170	956	560	1,009
Acute Tonsilo Pharyngitis	1,531	2,251	1,241	944	89	993
Bronchitis	1,183			1,433	128	1,378
Skin Problem	960	573	367	308	90	209
Respirial Anthrax	600	506	676	1,004	100	700

LAMAO, LIMAY

- Summary Report 2013
- Total No. of Consultation – 13,464
- Total No. of Respiratory problem consulted – 6,096
- Summary Report 2014
- Total No. of Consultation – 16,436
- Total No. of Respiratory Problem consulted – 3,936

Total population as of 2010
census – 18,000

Reference : Document Report on the investigation conducted by Provincial Health Office of Bataan on the complaints of residents of Brgy. Sisiman, Mariveles on Nuisance coming from GN Power Mariveles Coal Project

Diseases being complained by residents	Pre-Operation Phase			Operation Phase	
	2009	2010	2011	2012	2013
1. Respiratory Infection (URTI,AURI, ARI, cough/colds, asthma ,pneumonia, bronchitis, sore throat etc.	498	492	318	402	536
1. Skin Allergies (urticarial, dermatitis, eczemas, rashes etc. exc. Chikungunya	41	39	29	35	42
3. Tuberculosis (adult and children)	27	39	29	22	13

Source: Rural Health Unit 1, Mariveles

MARIVELES HEALTH 2015

- TB Cases - 51 cases
- Leading Causes of Mortality - Heart Ailments , Cancer, CVO/CVA, Pneumonia, Renal Failure, TB, COPD

Total TB Symptomatic Cases		
2012	2013	2014
963	1,106	1,069

SOURCE: MHO, MARIVELES

COMMUNITY RESISTANCE AND ACTIONS









COAL-FREE BATAAN MOVEMENT

Maraming Pong Salamat.