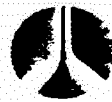


Internal Letter



Rockwell International

Date: 20 August 1981

No: 81FE-341

TO: (Name, Organization, Internal Address)

FROM: (Name, Organization, Internal Address, Phone)

· N. S. Fujikawa / K. H. Johns
· Rocketdyne-SSFL / Rocketdyne-SSFL
· 539, 055-SS11 / 031, 055-SS12

· R. D. Schmued
· Rocketdyne-SSFL
· 541, 055-SS12
· 5915

(1) defense vs possible charges of F- deposition
(2) adequate monitor

Subject: Sampling for Fluorides

The recent incident at LETF which resulted in fluoride concentrations which were below levels amenable to treatment but above levels allowed to be discharged under our NPDES permit has caused us to review our environmental obligations throughout SSFL in regard to fluorides. The solution of the LETF incident is resulting in the deposition of fluoride-containing water on the hillside, an approach approved by the staff of the Regional Water Quality Control Board. The problem with this approach is that, if at some future time fluoride levels in the discharge are above allowable limits, the board or the public may take the position that these levels are due to our deposition of fluorides upon the soil.

As a defense against such possible charges and simply for Rocketdyne to perform an adequate monitoring of its potential environmental impacts it is necessary to take soil samples and analyze them for fluoride content. A sampling program has been established to sample in locations where work with fluorine compounds has been performed and also to take background soil samples in locations which could not have been exposed to Rocketdyne operations.

Surface soil samples will be taken by Plant Services in the listed areas. Test supervision is requested to assist in identifying specific locations for sampling in order to select sampling sites which are most likely to have been exposed to fluoride deposition. Also the date of the last use of fluorine compounds should be indicated. The Analytical Chemistry Lab will analyze the soil leachate by EPA extraction methods to determine fluoride concentration.

CTL 1
LETF
APTF
Happy Valley
RACHLL/Facility 705
Alfa
SPA
ECL
Compound "A" Facility
STL-4

In addition, samples will be taken for background fluoride determination at the following locations. These samples will be analyzed for leachate and also by fine crushing of the soil samples and determining total fluoride content.




BNA02551406

N.S. Fujikawa/K.H. Johns
20 August 1981
Page 2

ESG water tank
Rocketdyne reclaim water storage
Westerly exit to Bell Canyon
Bell Canyon water tank, above easterly exit to Bell Canyon
Hilltop, in line of sight from Facility 705 Steam Ejector

Plant Services is requested to drive a pipe into the ground at each sampling location and attach a metal tag stamped with the location identification. This is to assure that, if needed in the future, the sample sites can readily be located to determine any possible changes which might have resulted from Rocketdyne operations.

Labor and material for this work should be charged to accounts 24474-40206-08000,-08001.


R. D. Schmued
Environmental Control Specialist
Facilities Engineering

RDS:ekv

APPROVED:


J. A. Bowman, Manager
Facilities Engineering

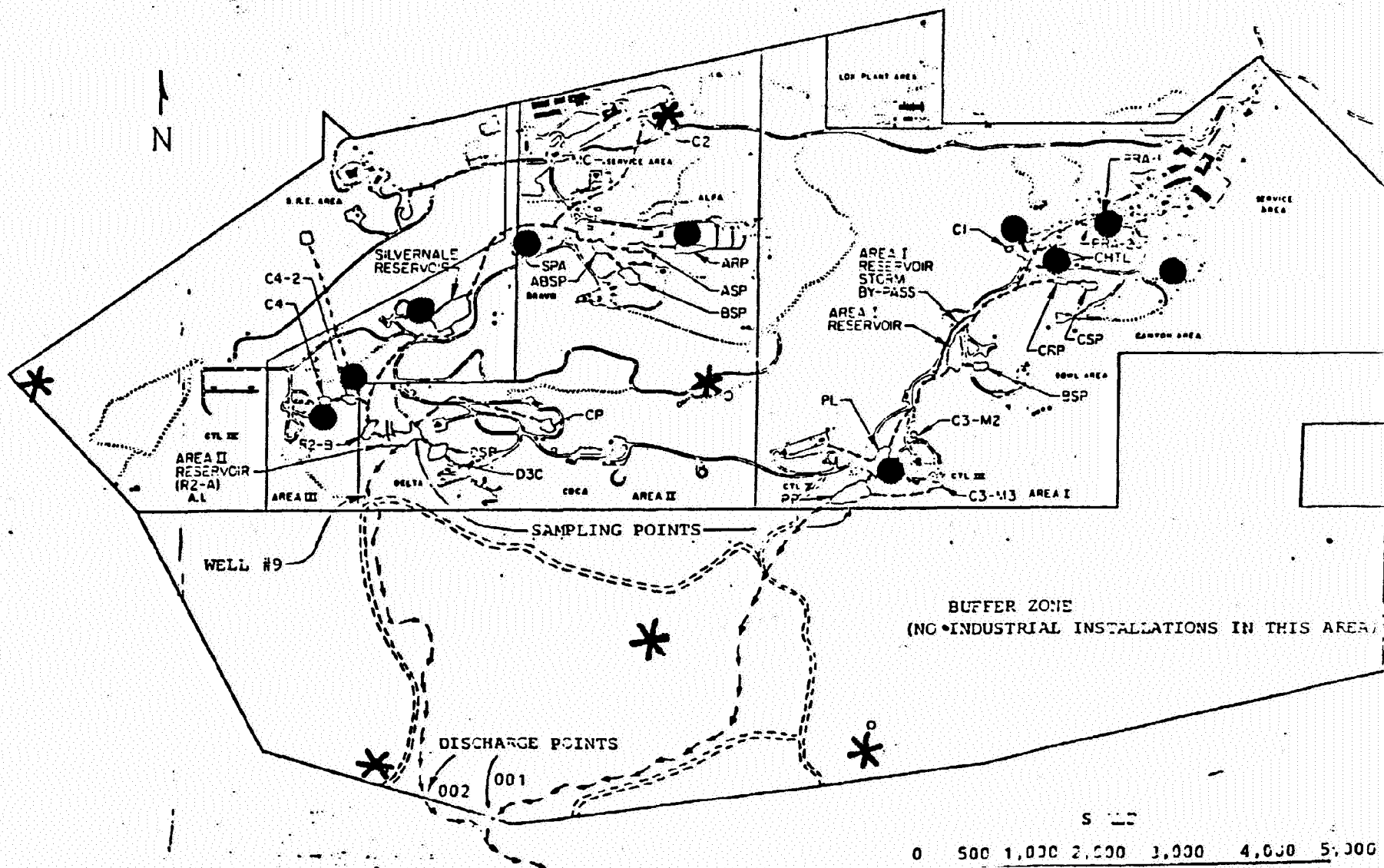
cc: F. B. Lary 596, 055-SS12
C. E. Winzer 031, 055-SS12
A. R. Bjorklund 540, 055-FB68



BNA02551407

HDMS00402267

SSFL CONTAMINATION CONTROL SYSTEM



BNA02551408

