

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8503120129 DOC. DATE: 85/03/05 NOTARIZED: NO DOCKET #
 FACIL: 50-410 Nine Mile Point Nuclear Station, Unit 2, Niagara Moho 05000410
 AUTH. NAME: AUTHOR AFFILIATION
 MANGAN, C.V. Niagara Mohawk Power Corp.
 RECIP. NAME: RECIPIENT AFFILIATION
 SCHWENCER, A. Licensing Branch 2

SUBJECT: Forwards results of QC test conducted upon completion of const of revetment ditch sys, per Question F241.17. Results include quarry measurement & weight insp & siever analyses conforming to ASTM C136-81.

DISTRIBUTION CODE: B001D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 16
 TITLE: Licensing Submittal: PSAR/FSAR Amdts & Related Correspondence

NOTES:

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| | NRR LB2 LA | 1 0 | HAUGHEY, M 01 | 1 1 |
| INTERNAL: | ACRS 41 | 6 6 | ADM/LFMB | 1 0 |
| | ELD/HDS3 | 1 0 | IE FILE | 1 1 |
| | IE/DEPER/EPB 36 | 1 1 | IE/DQASIP/QAB21 | 1 1 |
| | NRR ROE, M, L | 1 1 | NRR/DE/AEAB | 1 0 |
| | NRR/DE/CEB 11 | 1 1 | NRR/DE/EHEB | 1 1 |
| | NRR/DE/EQB 13 | 2 2 | NRR/DE/GB 28 | 2 2 |
| | NRR/DE/MEB 18 | 1 1 | NRR/DE/MTEB 17 | 1 1 |
| | NRR/DE/SAB 24 | 1 1 | NRR/DE/SGEB 25 | 1 1 |
| | NRR/DHFS/HFEB40 | 1 1 | NRR/DHFS/LQB 32 | 1 1 |
| | NRR/DHFS/PSRB | 1 1 | NRR/DL/SSPB | 1 0 |
| | NRR/DSI/AEB 26 | 1 1 | NRR/DSI/ASB | 1 1 |
| | NRR/DSI/CPB 10 | 1 1 | NRR/DSI/CSB 09 | 1 1 |
| | NRR/DSI/ICSB 16 | 1 1 | NRR/DSI/METB 12 | 1 1 |
| | NRR/DSI/PSB 19 | 1 1 | NRR/DSI/RAB 22 | 1 1 |
| | NRR/DSI/RSB 23 | 1 1 | REG FILE 04 | 1 1 |
| | RGN1 | 3 3 | RM/DDAMI/MIB | 1 0 |
| EXTERNAL: | BNL (AMDTs ONLY) | 1 1 | DMB/DSS (AMDTs) | 1 1 |
| | LPDR 03 | 1 1 | NRC PDR 02 | 1 1 |
| | NSIC 05 | 1 1 | PNL GRUEL, R | 1 1 |

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March 5, 1985
(NMP2L 0354)

Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Schwencer:

Re: Nine Mile Point Unit 2
Docket No. 50-410

As stated in our response to question F241.17, Niagara Mohawk was to provide the results of quality control tests upon completion of construction of the revetment ditch system by the first quarter of 1985. This information is attached and is submitted to aid your review for the resolution of question F241.17.

Very truly yours,

C. V. Mangan

C. V. Mangan
Vice President

Nuclear Engineering & Licensing

DS:ja
Attachment
xc: R. A. Gramm, NRC Resident Inspector
Project File (2)

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1/1

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PDR ADDCK 05000410
A PDR



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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)
Niagara Mohawk Power Corporation)
(Nine Mile Point Unit 2))

Docket No. 50-410

AFFIDAVIT

C. V. Mangan, being duly sworn, states that he is Vice President of Niagara Mohawk Power Corporation; that he is authorized on the part of said Corporation to sign and file with the Nuclear Regulatory Commission the documents attached hereto; and that all such documents are true and correct to the best of his knowledge, information and belief.

C. V. Mangan

Subscribed and sworn to before me, a Notary Public in and for the State of New York and County of Onondaga, this 5 day of March, 1985.

James M. Macroe
Notary Public in and for
Onondaga County, New York

My Commission expires:

JAMES M. MACROE
Notary Public in the State of New York
Qualified in Onondaga County No. 4784555
My Commission Expires March 30, 1985.



1. Introduction

2. Objectives

3. Methodology

4. Results

5. Discussion

6. Conclusion

7. References

8. Appendix

9. Bibliography

10. Index

11. Glossary

12. Acknowledgements

13. Appendix

14. Bibliography

15. Index

16. Glossary

17. Acknowledgements

18. Appendix

19. Bibliography

QUARRY MEASUREMENT & WEIGHT INSPECTION

Quarry production inspections were performed at the seller's quarry on production stone as it was produced. These inspections were performed with the geotechnical engineer on a twice weekly basis. Acceptance and rejection were based on sampling statistics from stone randomly selected from a given lot. Below find inspection and test results for those inspections.

| <u>Inspection Report #</u> | <u>Lot Size</u> | <u>Sample Size</u> | <u>Inspection Results</u> | <u>Nonconformance & Disposition Report #</u> |
|----------------------------|-----------------|--------------------|---------------------------|---|
| S3028455 | 3,000 | 45 | Unsatisfactory | N&D #4939 |
| S3028994 | 81,200 | 180 | Unsatisfactory | N&D #5057 |
| S3029179 | 3,000 | 30 | Unsatisfactory | N&D #5090 |
| S3029180 | 90,000 | 30 | Unsatisfactory | N&D #5090 |
| S3029181 | 90,000 | 30 | Unsatisfactory | No N&D required. Reworked in accord. w/spec |
| S3029572 | 3 | 3 | Satisfactory | |
| S3029607 | 1 | 1 | Satisfactory | |
| S3029863 | 1 | 1 | Satisfactory | |
| S3030064 | 1 | 1 | Unsatisfactory | No N&D required. Reworked in accord. w/spec |
| S3030360 | 1 | 1 | Satisfactory | |
| S3030361 | 1 | 1 | Satisfactory | |
| S3030383 | 1 | 1 | Unsatisfactory | No N&D required. Reworked in accord. w/spec |
| S3030419 | 1 | 1 | Satisfactory | |
| S3030522 | 1 | 1 | Unsatisfactory | No N&D required. Reworked in accord. w/spec |
| S3030523 | 1 | 1 | Satisfactory | |
| S3030675 | 1 | 1 | Satisfactory | |
| S3030676 | 1 | 1 | Satisfactory | |
| S3030810 | 1 | 1 | Satisfactory | |
| S3030854 | 1 | 1 | Satisfactory | |
| S3030855 | 1 | 1 | Satisfactory | |
| S3030943 | 1 | 1 | Satisfactory | |
| S3031094 | 2 | 2 | Unsatisfactory | No N&D required. Reworked in accord. w/spec |
| S3031147 | 2 | 2 | Satisfactory | |
| S3031276 | 2 | 2 | Satisfactory | |
| S3031368 | 2 | 2 | Satisfactory | |
| S3031486 | 2 | 2 | Satisfactory | |
| S3031598 | 2 | 2 | Satisfactory | |
| S3031705 | 2 | 2 | Satisfactory | |
| S3031893 | 2 | 2 | Satisfactory | |
| S3031921 | 1 | 1 | Satisfactory | |
| S3032035 | 2 | 2 | Satisfactory | |



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QUARRY MEASUREMENT & WEIGHT INSPECTION
(Continued)

| <u>Inspection Report #</u> | <u>Lot Size</u> | <u>Sample Size</u> | <u>Inspection Results</u> | <u>Nonconformance & Disposition Report #</u> |
|----------------------------|-----------------|--------------------|---------------------------|---|
| S3032142 | 2 | 2 | Unsatisfactory | No N&D required. Reworked in accord. w/spec |
| S3032301 | 1 | 1 | Satisfactory | |
| S3032350 | 2 | 2 | Satisfactory | |
| S3032475 | 2 | 2 | Satisfactory | |
| S3032568 | 2 | 2 | Unsatisfactory | No N&D required. Reworked in accord. w/spec |
| S3032674 | 2 | 2 | Unsatisfactory | No N&D required. Reworked in accord. w/spec |
| S3032819 | 2 | 2 | Unsatisfactory | No N&D required. Reworked in accord. w/spec |
| S3032894 | 2 | 2 | Satisfactory | |
| S3032949 | 2 | 2 | Satisfactory | |
| S3033056 | 2 | 2 | Satisfactory | |
| S3033183 | 2 | 2 | Unsatisfactory | No N&D required. Reworked in accord. w/spec |
| S3033344 | 2 | 2 | Satisfactory | |
| S3033364 | 2 | 2 | Satisfactory | |
| S3033553 | 1 | 1 | Satisfactory | |
| S3033640 | 2 | 2 | Satisfactory | |
| S3033677 | 2 | 2 | Satisfactory | |
| S3033794 | 2 | 2 | Satisfactory | |
| S3034031 | 1 | 1 | Satisfactory | |
| S3034220 | 1 | 1 | Satisfactory | |
| S4026467 | 2 | 2 | Satisfactory | |
| S4026538 | 2 | 2 | Satisfactory | |
| S4026545 | 2 | 2 | Satisfactory | |
| S4026632 | 2 | 2 | Satisfactory | |
| S4026717 | 2 | 2 | Satisfactory | |
| S4026759 | 2 | 2 | Satisfactory | |
| S4026384 | 1 | 1 | Satisfactory | |
| S4026790 | 2 | 2 | Satisfactory | |
| S4026862 | 2 | 2 | Satisfactory | |
| S4026997 | 1 | 1 | Satisfactory | |
| S4027051 | 1 | 1 | Satisfactory | |
| S4027150 | 1 | 1 | Satisfactory | |
| S4027214 | 1 | 1 | Satisfactory | |
| S4027253 | 1 | 1 | Unsatisfactory | No N&D required. Reworked in accord. w/spec |
| S4027876 | 3 | 3 | Unsatisfactory | No N&D required. Reworked in accord. w/spec |
| S4027315 | 1 | 1 | Satisfactory | |
| S4027366 | 1 | 1 | Satisfactory | |
| S4027402 | 1 | 1 | Satisfactory | |
| S4027460 | 1 | 1 | Satisfactory | |
| S4027540 | 1 | 1 | Satisfactory | |

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QUARRY MEASUREMENT & WEIGHT INSPECTION
(Continued)

| <u>Inspection Report #</u> | <u>Lot Size</u> | <u>Sample Size</u> | <u>Inspection Results</u> | <u>Nonconformance & Disposition Report #</u> |
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| S4027620 | 1 | 1 | Satisfactory | |
| S4027759 | 2 | 2 | Satisfactory | |
| S4028035 | 3 | 3 | Satisfactory | |
| S4028257 | 3 | 3 | Satisfactory | |
| S4028258 | 3 | 3 | Satisfactory | |
| S4028380 | 1 | 1 | Satisfactory | |
| S4028499 | 1 | 1 | Satisfactory | |
| S4028575 | 2 | 2 | Satisfactory | |
| S4028806 | 2 | 2 | Satisfactory | |
| S4028914 | 3 | 3 | Satisfactory | |
| S4029015 | 1 | 1 | Satisfactory | |
| S4029088 | 3 | 3 | Satisfactory | |
| S4029115 | 1 | 1 | Satisfactory | |
| S4029237 | 3 | 3 | Satisfactory | |
| S4029240 | 1 | 1 | Satisfactory | |
| S4029321 | 3 | 3 | Satisfactory | |
| S4029373 | 1 | 1 | Satisfactory | |
| S4029399 | 1 | 1 | Satisfactory | |
| S4029434 | 1 | 1 | Satisfactory | |
| S4029444 | 4 | 4 | Satisfactory | |
| S4029469 | 1 | 1 | Satisfactory | |
| S4029580 | 1 | 1 | Satisfactory | |
| S4029614 | 1 | 1 | Satisfactory | |
| S4029620 | 1 | 1 | Satisfactory | |



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VISUAL ACCEPTANCE

This attribute was used to verify that the geotechnical engineer has visually examined the sample and has accepted it per the specification requirements. This examination was performed at the seller's quarry.

| <u>Inspection Report #</u> | <u>Lot Size</u> | <u>Sample Size</u> | <u>Inspection Results</u> | <u>Nonconformance & Disposition Report #</u> |
|----------------------------|-----------------|--------------------|---------------------------|--|
| S4026545 | 2 | 2 | Satisfactory | |
| S4026632 | 2 | 2 | Satisfactory | |
| S4026717 | 2 | 2 | Satisfactory | |
| S4026759 | 2 | 2 | Satisfactory | |
| S4026384 | 1 | 1 | Satisfactory | |
| S4026790 | 2 | 2 | Satisfactory | |
| S4026862 | 2 | 2 | Satisfactory | |
| S4026997 | 1 | 1 | Satisfactory | |
| S4027051 | 1 | 1 | Satisfactory | |
| S4027150 | 1 | 1 | Satisfactory | |
| S4027214 | 1 | 1 | Satisfactory | |
| S4027253 | 1 | 1 | Satisfactory | |
| S4027315 | 1 | 1 | Satisfactory | |
| S4027366 | 1 | 1 | Satisfactory | |
| S4027402 | 1 | 1 | Satisfactory | |
| S4027460 | 1 | 1 | Satisfactory | |
| S4027540 | 1 | 1 | Satisfactory | |
| S4027620 | 1 | 1 | Satisfactory | |
| S4029115 | 1 | 1 | Satisfactory | |
| S4029240 | 1 | 1 | Satisfactory | |
| S4029373 | 1 | 1 | Satisfactory | |
| S4029399 | 1 | 1 | Satisfactory | |
| S4029434 | 1 | 1 | Satisfactory | |
| S4029469 | 1 | 1 | Satisfactory | |
| S4029580 | 1 | 1 | Satisfactory | |
| S4029614 | 1 | 1 | Satisfactory | |
| S3031598 | 2 | 2 | Satisfactory | |
| S3031705 | 2 | 2 | Satisfactory | |
| S3031893 | 2 | 2 | Satisfactory | |
| S3031921 | 1 | 1 | Satisfactory | |
| S3032035 | 2 | 2 | Satisfactory | |
| S3032142 | 2 | 2 | Satisfactory | |
| S3032301 | 1 | 1 | Satisfactory | |
| S3032350 | 2 | 2 | Satisfactory | |
| S3032475 | 2 | 2 | Satisfactory | |
| S3032568 | 2 | 2 | Satisfactory | |
| S3032674 | 2 | 2 | Satisfactory | |
| S3032819 | 2 | 2 | Satisfactory | |
| S3032894 | 2 | 2 | Satisfactory | |
| S3032949 | 2 | 2 | Satisfactory | |
| S3033056 | 2 | 2 | Satisfactory | |
| S3033183 | 2 | 2 | Satisfactory | |
| S3033344 | 2 | 2 | Satisfactory | |

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In the second section, the author outlines the various methods used to collect and analyze the data. This includes both manual and automated processes. The goal is to ensure that the information is both reliable and up-to-date.

The third part of the document provides a detailed breakdown of the results. It shows that there has been a significant increase in certain areas, while other areas remain relatively stable. This analysis is crucial for understanding the overall performance and identifying areas for improvement.

Finally, the document concludes with a series of recommendations. These are based on the findings and are intended to help the organization achieve its long-term goals. It is important to follow these guidelines closely to ensure success.

VISUAL ACCEPTANCE
(Continued)

| <u>Inspection Report #</u> | <u>Lot Size</u> | <u>Sample Size</u> | <u>Inspection Results</u> | <u>Nonconformance & Disposition Report #</u> |
|----------------------------|-----------------|--------------------|---------------------------|--|
| S3033364 | 2 | 2 | Satisfactory | |
| S3033553 | 1 | 1 | Satisfactory | |
| S3033640 | 2 | 2 | Satisfactory | |
| S3033677 | 2 | 2 | Satisfactory | |
| S3033794 | 2 | 2 | Satisfactory | |
| S3034031 | 1 | 1 | Satisfactory | |
| S3034220 | 1 | 1 | Satisfactory | |
| S4026467 | 2 | 2 | Satisfactory | |
| S4026538 | 2 | 2 | Satisfactory | |
| S3028455 | 3,000 | 45 | Satisfactory | |
| S3028994 | 81,200 | 180 | Satisfactory | |
| S3029179 | 3,000 | 30 | Satisfactory | |
| S3029180 | 90,000 | 30 | Satisfactory | |
| S3029181 | 90,000 | 30 | Satisfactory | |
| S3029572 | 3 | 3 | Satisfactory | |
| S3029607 | 1 | 1 | Satisfactory | |
| S3029863 | 1 | 1 | Satisfactory | |
| S3030064 | 1 | 1 | Satisfactory | |
| S3030360 | 1 | 1 | Satisfactory | |
| S3030361 | 1 | 1 | Satisfactory | |
| S3030383 | 1 | 1 | Satisfactory | |
| S3030419 | 1 | 1 | Satisfactory | |
| S3030522 | 1 | 1 | Satisfactory | |
| S3030523 | 1 | 1 | Satisfactory | |
| S3030675 | 1 | 1 | Satisfactory | |
| S3030676 | 1 | 1 | Satisfactory | |
| S3030810 | 1 | 1 | Satisfactory | |
| S3030854 | 1 | 1 | Satisfactory | |
| S3030855 | 1 | 1 | Satisfactory | |
| S3030943 | 1 | 1 | Satisfactory | |
| S3031094 | 2 | 2 | Satisfactory | |
| S3031147 | 2 | 2 | Satisfactory | |
| S3031276 | 2 | 2 | Satisfactory | |
| S3031368 | 2 | 2 | Satisfactory | |
| S3031486 | 2 | 2 | Satisfactory | |

1. The first part of the document is a list of names and addresses of the members of the committee.

2. The second part of the document is a list of names and addresses of the members of the committee.

3. The third part of the document is a list of names and addresses of the members of the committee.

4. The fourth part of the document is a list of names and addresses of the members of the committee.

5. The fifth part of the document is a list of names and addresses of the members of the committee.

6. The sixth part of the document is a list of names and addresses of the members of the committee.

7. The seventh part of the document is a list of names and addresses of the members of the committee.

8. The eighth part of the document is a list of names and addresses of the members of the committee.

9. The ninth part of the document is a list of names and addresses of the members of the committee.

10. The tenth part of the document is a list of names and addresses of the members of the committee.

INITIAL IN-PLACE SAMPLE

This was a test performed on each type of material, except granular filter material, that was placed above water during the initial placing operations to assure that the proposed procedures, methods and equipment would provide a well-graded mass of stone with maximum interlocking.

Sample size consisted of ten feet by ten feet areas with all stones measured and calculated for conformance to spec requirements.

| <u>Inspection Report #</u> | <u>Lot Size</u> | <u>Sample Size</u> | <u>Inspection Results</u> | <u>Nonconformance & Disposition Report #</u> |
|----------------------------|-----------------|--------------------|---------------------------|--|
| N/A | 5 | 5 | Unsatisfactory | 7898 |



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A single small, faint mark.

Faint, illegible text or markings.

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A large, very faint and illegible block of text or markings, possibly a large error or bleed-through.

Faint, illegible text or markings.

Faint, illegible text or markings.

A single small, faint mark.

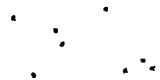
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Faint, illegible text or markings.

INITIAL ULI

This inspection consisted of measurement of 150 consecutive stones with the weight of each stone calculated. This inspection was performed at the engineer's direction in lieu of an in-place sample.

| <u>Inspection Report #</u> | <u>Lot Size</u> | <u>Sample Size</u> | <u>Inspection Results</u> | <u>Nonconformance & Disposition Report #</u> |
|----------------------------|-----------------|--------------------|---------------------------|---|
| S4027687 | 1 | 1 | Unsatisfactory | No N&D required. Reworked in accord. w/spec |



1. 1950

2. 1951

3. 1952

4. 1953

5. 1954

6. 1955

7. 1956

GRADATION #1 AND #2 FILTER MATERIAL

These tests were sieve analyses conforming to ASTM C136-81. These inspections/tests represent prequalification and in-process test.

Gradation #1 Filter Material

| <u>Inspection Report #</u> | <u>Lot Size</u> | <u>Sample Size</u> | <u>Inspection Results</u> | <u>Nonconformance & Disposition Report #</u> |
|----------------------------|-----------------|--------------------|---------------------------|--|
| S3029380 | 1000 | 1 | Satisfactory | |
| S4027642 | 50 | 2 | Satisfactory | |
| S4027880 | 60 | 1 | Satisfactory | |
| S4028189 | 2000 | 1 | Unsatisfactory | 8473 |
| S4029226 | 2000 | 1 | Unsatisfactory | 9489 |
| S4029457 | 2000 | 1 | Unsatisfactory | 9619 |

Gradation #2 Filter Material

| <u>Inspection Report #</u> | <u>Lot Size</u> | <u>Sample Size</u> | <u>Inspection Results</u> | <u>Nonconformance & Disposition Report #</u> |
|----------------------------|-----------------|--------------------|---------------------------|--|
| S3029381 | 1000 | 1 | Satisfactory | |
| S4027712 | 55 | 1 | Satisfactory | |
| S4027738 | 10 | 1 | Satisfactory | |
| S4027768 | 15 | 1 | Satisfactory | |
| S4027643 | 50 | 1 | Satisfactory | |
| S4027805 | 15 | 1 | Satisfactory | |
| S4027879 | 80 | 1 | Satisfactory | |
| S4029573 | 2000 | 2000 | Unsatisfactory | 9643 |
| S4029488 | 2000 | 2000 | Unsatisfactory | 9547 |



[The following text is extremely faint and illegible due to low contrast and noise. It appears to be a multi-paragraph document with several lines of text in each section.]

FLOATERS/DRIFTING/DISPLACING

This inspection was performed at the site to stone as it was placed to ensure stone was placed without floating, drifting or manipulating the stone down the slope and without displacing the underlying layers. This was a random daily inspection documented on a summary inspection report. Each inspection report number represents one week's work.

| <u>Inspection Report #</u> | <u>Lot Size</u> | <u>Sample Size</u> | <u>Inspection Results</u> | <u>Nonconformance & Disposition Report #</u> |
|----------------------------|-----------------|--------------------|---------------------------|--|
| S4027759 | 2 | 2 | Satisfactory | |
| S4027876 | 3 | 3 | Satisfactory | |
| S4027759 | 2 | 2 | Satisfactory | |
| S4028035 | 3 | 3 | Satisfactory | |
| S4028257 | 3 | 3 | Satisfactory | |
| S4028258 | 3 | 3 | Satisfactory | |
| S4028380 | 1 | 1 | Satisfactory | |
| S4028499 | 1 | 1 | Satisfactory | |
| S4028575 | 2 | 2 | Satisfactory | |
| S4028806 | 2 | 2 | Satisfactory | |
| S4028914 | 3 | 3 | Satisfactory | |
| S4029015 | 1 | 1 | Satisfactory | |
| S4029088 | 3 | 3 | Satisfactory | |
| S4029237 | 3 | 3 | Satisfactory | |
| S4029321 | 3 | 3 | Satisfactory | |
| S4029444 | 4 | 4 | Satisfactory | |

10



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2. The second part of the document

3. The third part of the document

4. The fourth part of the document

5. The fifth part of the document

6. The sixth part of the document

7. The seventh part of the document

PLACING DOLOSSE

This was a visual inspection performed at the site to ensure that dolosse placed at the toe have horizontal flukes pointing inward and the ends of adjacent flukes are within spec tolerances.

These inspections were documented on a summary inspection report and each inspection report number represents one week's work.

| <u>Inspection Report #</u> | <u>Lot Size</u> | <u>Sample Size</u> | <u>Inspection Results</u> | <u>Nonconformance & Disposition Report #</u> |
|----------------------------|-----------------|--------------------|---------------------------|--|
| S4028380 | 1 | 1 | Satisfactory | |
| S4028499 | 1 | 1 | Satisfactory | |
| S4028575 | 2 | 2 | Satisfactory | |
| S4028806 | 2 | 2 | Satisfactory | |
| S4028914 | 3 | 3 | Satisfactory | |
| S4029237 | 3 | 3 | Satisfactory | |
| S4029321 | 3 | 3 | Satisfactory | |
| S4029444 | 4 | 4 | Satisfactory | |



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Faint, illegible text or markings in the lower left quadrant.

DOLOSSE LAYERS/DENSITY

This was a visual inspection performed at the site to ensure that concrete dolosse are uniformly distributed in two layers and the placing density is as indicated on the engineer's drawings.

These inspections were documented on a summary inspection report and each inspection report number represents one week's work.

| <u>Inspection Report #</u> | <u>Lot Size</u> | <u>Sample Size</u> | <u>Inspection Results</u> | <u>Nonconformance & Disposition Report #</u> |
|----------------------------|-----------------|--------------------|---------------------------|--|
| S4028380 | 1 | 1 | Satisfactory | |
| S4028499 | 1 | 1 | Satisfactory | |
| S4028575 | 2 | 2 | Satisfactory | |
| S4028806 | 2 | 2 | Satisfactory | |
| S4028914 | 3 | 3 | Satisfactory | |
| S4029237 | 3 | 3 | Satisfactory | |
| S4029321 | 3 | 3 | Satisfactory | |
| S4029444 | 4 | 4 | Satisfactory | |



1944

1945

1946

1947

1948

1949

1950

1951

INTERLOCKING/MOUNDS/WINDROWS

This was a visual inspection performed at the site on a random daily basis to ensure stone was placed with maximum interlocking without mounds or windrows.

This inspection was documented on a summary inspection report and each inspection report number represents one week's work.

| <u>Inspection Report #</u> | <u>Lot Size</u> | <u>Sample Size</u> | <u>Inspection Results</u> | <u>Nonconformance & Disposition Report #</u> |
|----------------------------|-----------------|--------------------|---------------------------|--|
| S4027759 | 2 | 2 | Satisfactory | |
| S4027876 | 3 | 3 | Satisfactory | |
| S4027759 | 2 | 2 | Satisfactory | |
| S4028035 | 3 | 3 | Satisfactory | |
| S4028257 | 3 | 3 | Satisfactory | |
| S4028258 | 3 | 3 | Satisfactory | |
| S4028380 | 1 | 1 | Satisfactory | |
| S4028499 | 1 | 1 | Satisfactory | |
| S4028575 | 2 | 2 | Satisfactory | |
| S4028806 | 2 | 2 | Satisfactory | |
| S4028914 | 3 | 3 | Satisfactory | |
| S4029015 | 1 | 1 | Satisfactory | |
| S4029088 | 3 | 3 | Satisfactory | |
| S4029237 | 3 | 3 | Satisfactory | |
| S4029321 | 3 | 3 | Satisfactory | |
| S4029444 | 4 | 4 | Satisfactory | |
| S4029620 | 1 | 1 | Satisfactory | |



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MINIMUM LAYERS/TOLERANCE

This inspection was performed on site and was a random daily inspection to ensure that stone was placed in the minimum number of layers required and to visually ensure stone was placed within spec tolerances.

These inspections were documented on a summary inspection report and each inspection report number represents one week's work.

| <u>Inspection Report #</u> | <u>Lot Size</u> | <u>Sample Size</u> | <u>Inspection Results</u> | <u>Nonconformance & Disposition Report #</u> |
|----------------------------|-----------------|--------------------|---------------------------|--|
| S4027759 | 2 | 2 | Satisfactory | |
| S4027876 | 3 | 3 | Satisfactory | |
| S4027759 | 2 | 2 | Satisfactory | |
| S4028035 | 3 | 3 | Satisfactory | |
| S4028257 | 3 | 3 | Satisfactory | |
| S4028258 | 3 | 3 | Satisfactory | |
| S4028380 | 1 | 1 | Satisfactory | |
| S4028499 | 1 | 1 | Satisfactory | |
| S4028575 | 2 | 2 | Satisfactory | |
| S4028603 | 1 | 1 | Unsatisfactory | 9036 |
| S4028806 | 2 | 2 | Satisfactory | |
| S4028914 | 3 | 3 | Satisfactory | |
| S4029015 | 1 | 1 | Satisfactory | |
| S4029088 | 3 | 3 | Satisfactory | |
| S4029237 | 3 | 3 | Satisfactory | |
| S4029321 | 3 | 3 | Satisfactory | |
| S4029444 | 4 | 4 | Satisfactory | |
| S4029620 | 1 | 1 | Satisfactory | |



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[Illegible text block 2]

[Illegible text block 3]

[Illegible text block 4]

[Illegible text block 5]

[Illegible text block 6]

[Illegible text block 7]

[Illegible text block 8]

SURVEY NOTES

Survey data consisted of cross sections taken perpendicular to the axis of the revetment ditch at 25 feet intervals with each reading at five feet intervals (horizontal). This data also included station offset and design line elevation as required by the engineer's drawings and the as-built elevation in feet to the nearest tenth. All survey notes were submitted to SWEC FQC for review and approval.

| <u>Inspection Report #</u> | <u>Lot Size</u> | <u>Sample Size</u> | <u>Inspection Results</u> | <u>Nonconformance & Disposition Report #</u> |
|----------------------------|-----------------|--------------------|---------------------------|--|
| S4029805 | 1 | 1 | Satisfactory | |

THE UNITED STATES OF AMERICA
DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

MEMORANDUM FOR THE DIRECTOR, FBI
FROM: SAC, [Redacted]
SUBJECT: [Redacted]

[Redacted]

[Redacted]